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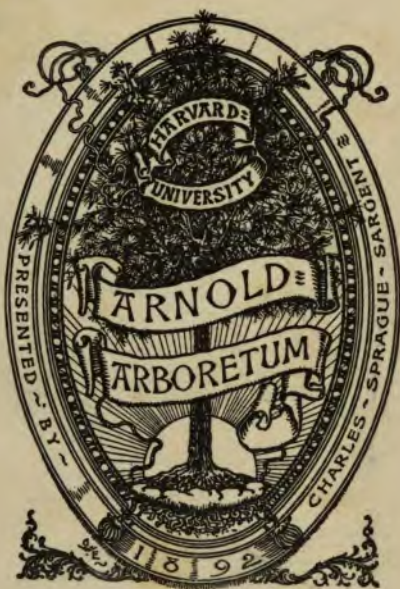
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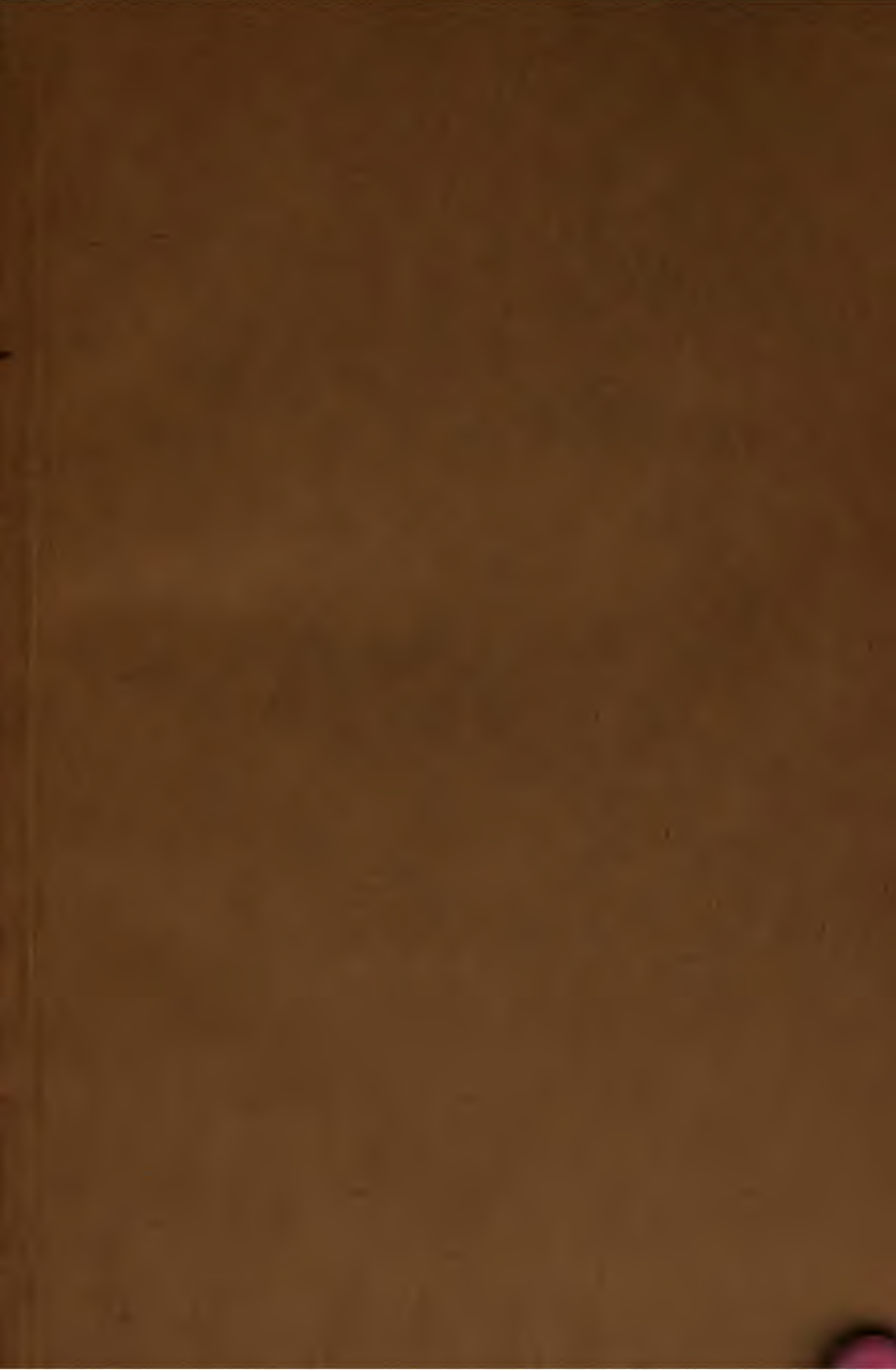
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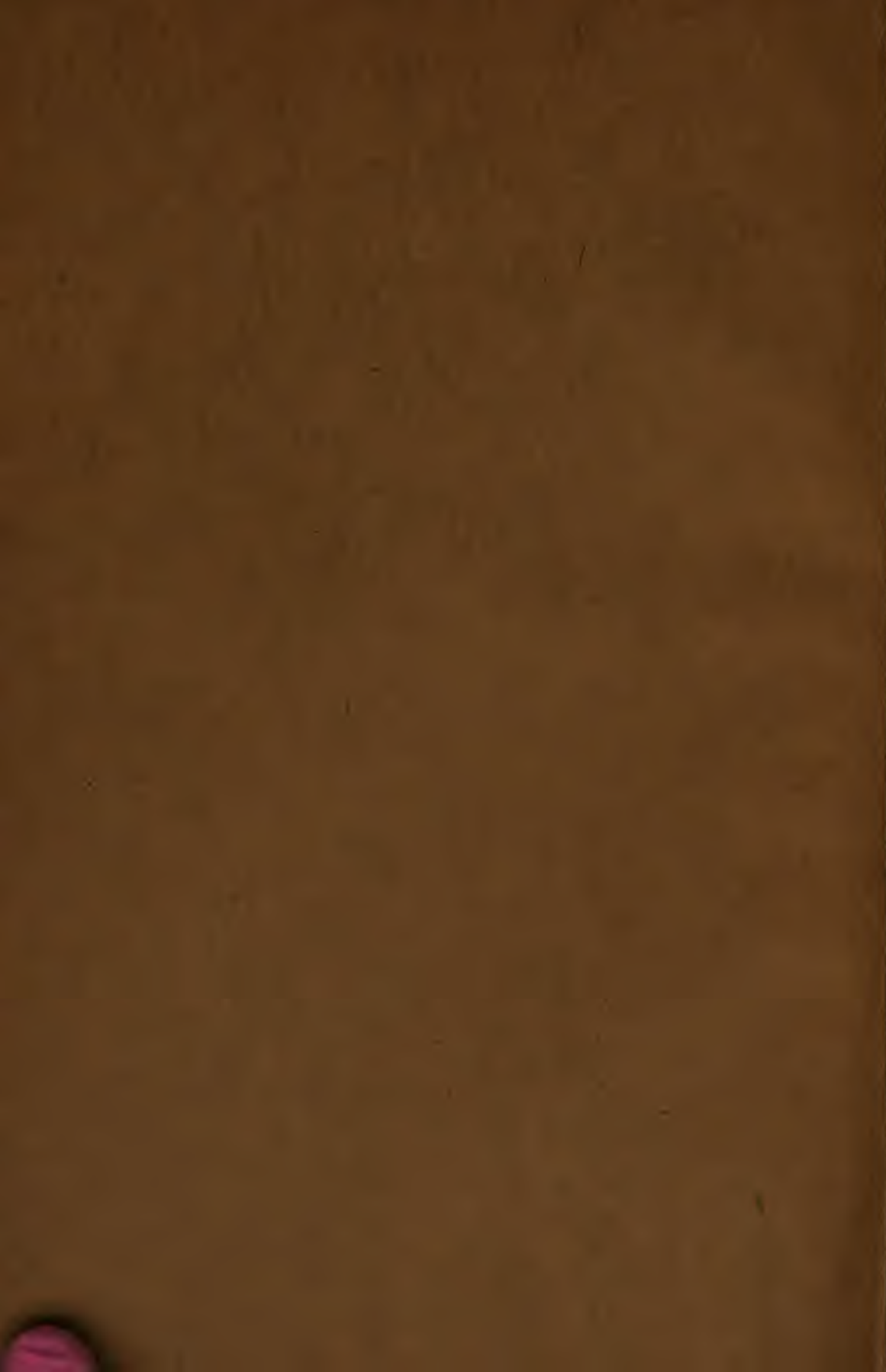
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CENTRAL EXPERIMENTAL FARM, DEPARTMENT OF AGRICULTURE

CATALOGUE

OF THE

TREES AND SHRUBS

IN THE

ARBORETUM AND BOTANIC GARDEN

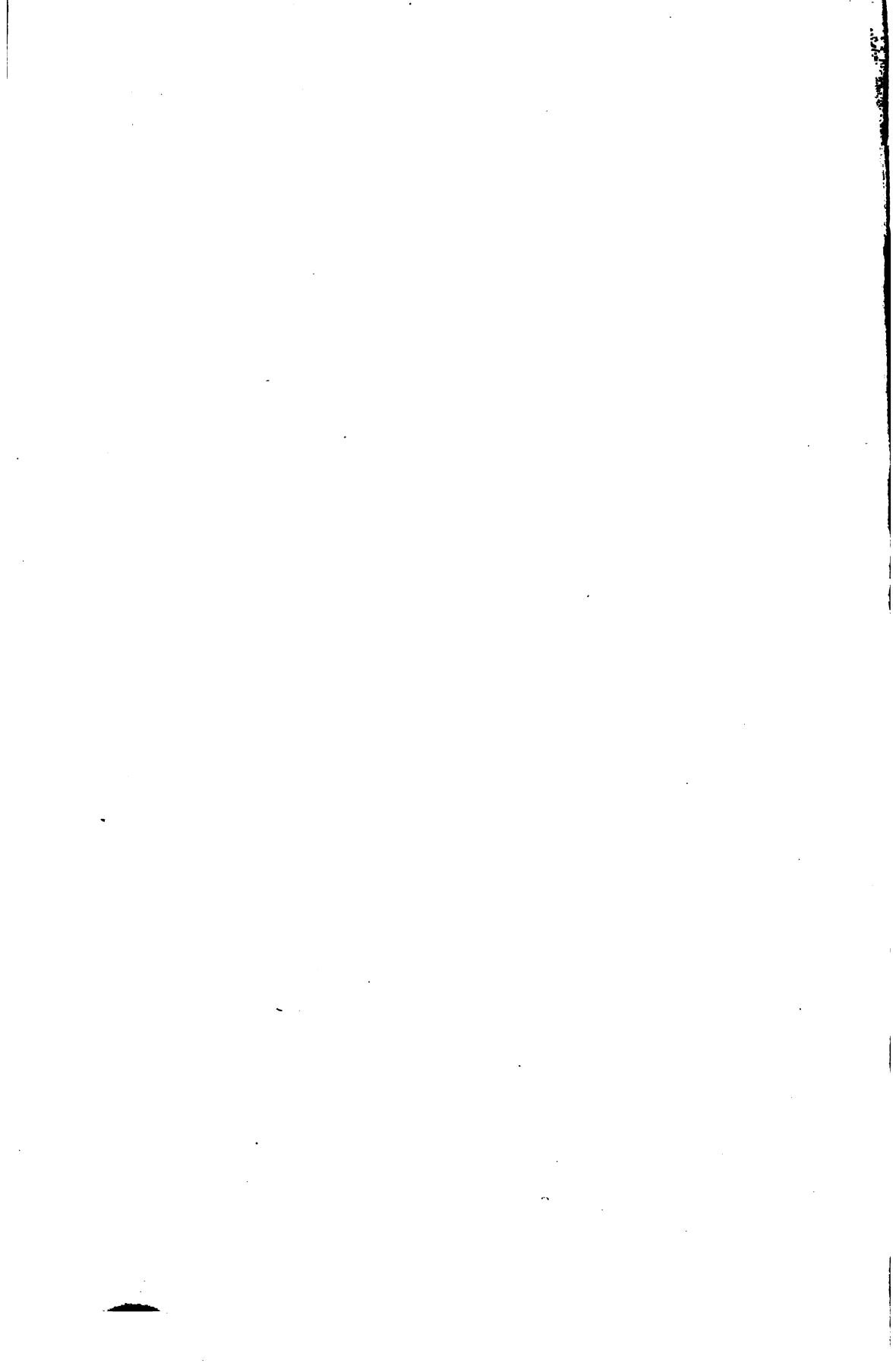
AT THE

CENTRAL EXPERIMENTAL FARM

OTTAWA, ONTARIO, CANADA

[Published by Direction of the Hon. Sydney A. Fisher, Minister of Agriculture.]

OTTAWA
GOVERNMENT PRINTING BUREAU
1899





Deciduous Trees and Shrubs in the Arboretum at the Central Experimental Farm.

CENTRAL EXPERIMENTAL FARM, DEPARTMENT OF AGRICULTURE

CATALOGUE
OF THE
TREES AND SHRUBS
IN THE
ARBORETUM AND BOTANIC GARDEN
AT THE
CENTRAL EXPERIMENTAL FARM
OTTAWA, ONTARIO, CANADA

BY
WM. SAUNDERS, LL.D., F.R.S.C., F.L.S.,
Director Experimental Farms
AND
W. T. MACOUN, *Horticulturist of Central Experimental Farm*
and Curator of Arboretum and Botanic Garden

BULLETIN No. 2, SECOND SERIES, JUNE, 1899

Bulletins of the Second Series treat of such subjects as are of interest to a limited class of readers and will be mailed only to those to whom the information is likely to be useful. Copies may, however, be obtained by any one desiring them on application to the Director of Experimental Farms.

[Published by Direction of the Hon. Sydney A. Fisher, Minister of Agriculture.]

OTTAWA
GOVERNMENT PRINTING BUREAU
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28214

To the Honourable

The Minister of Agriculture.

SIR,—I have the honour to submit for your approval a catalogue of the trees and shrubs which have been tested in the Arboretum and Botanic Garden at the Central Experimental Farm during the past ten years, prepared jointly by Mr. W. T. Macoun, Horticulturist and Curator of the Arboretum, and myself. In the compilation of this work the chief part of the labour has fallen on Mr. Macoun, who has also taken most of the notes on the relative hardiness of the species.

In this list the species and varieties have been arranged alphabetically, under their scientific names, and in all cases where common names could be found, these also have been given, with the name of the country from whence the different species and varieties have been obtained.

It is hoped that the information presented in this work will be found helpful to all lovers of trees and shrubs in this country; that it may assist in the correct naming of varieties and may be the means of bringing such useful and hardy species as are deserving of more general cultivation into greater prominence. It will also no doubt assist in giving correct ideas to all who may be interested in this subject, both at home and abroad, as to the true character of the climate of this part of the Dominion.

I have the honour to be

Your obedient servant,

WM. SAUNDERS,

Director Experimental Farms.

OTTAWA, 20th June, 1899.

CATALOGUE
OF THE
TREES AND SHRUBS
IN THE
ARBORETUM AND BOTANIC GARDEN
AT THE
CENTRAL EXPERIMENTAL FARM
OTTAWA, ONTARIO, CANADA

By WM. SAUNDERS, LL.D., DIRECTOR OF EXPERIMENTAL FARMS,
And W. T. MACOUN, HORTICULTURIST OF CENTRAL EXPERIMENTAL
FARM AND CURATOR OF ARBORETUM AND BOTANIC GARDEN.

When the Central Experimental Farm was established at Ottawa, in 1886, it was decided that a portion of the land purchased, consisting of sixty-five acres out of a total of four hundred and sixty-five, should be devoted to the purposes of an Arboretum and Botanic Garden, where trees, shrubs and plants from all parts of the world could be brought together and tested as to their hardiness and adaptability to this climate.

Work was begun on the Experimental Farm in the spring of 1887, but the first planting in the Arboretum and Botanic Garden was not done until the autumn of 1889. During that season 200 species of trees and shrubs were planted, two specimens of each, grouped in their natural orders. In planting these they were placed at such distances from each other as was thought would be sufficient to permit of the full growth and development of the individual specimens. Many additions were made from year to year, and in 1894 the collection contained about 600 species and varieties. Up to that time this part of the work had been in charge of Dr. James Fletcher, Botanist and Entomologist of the Dominion Experimental Farms, under whose care great progress had been made. In the spring of 1895, at the request of Dr. Fletcher, a change was made and the Botanic Garden and Arboretum was placed in charge of Mr. W. T. Macoun, who was then the Director's Assistant and Foreman of Forestry. In the spring of 1898 Mr. Macoun was appointed Horticulturist of the Central Experimental Farm and Curator of the Arboretum and Botanic Garden, and under his energetic management, aided by such advice and oversight as the Director has been able to give, this collection has been rapidly increased. The total number of species and varieties which have been, or are now, under test, all of which are referred to in the accompanying catalogue, is 3,071. Of these, 1,465 have been found hardy, 330 half hardy, 229 tender, 307 have been winter killed, and 740 have not been planted long enough to admit of an opinion being given as to their hardiness. Where they have been tested one or more winters an opinion has been expressed on this point based on the experience had. Those which

have passed through one or more winters uninjured, or with very slight injury to the tips only of the branches, have been pronounced hardy; where the new wood has been killed back from one-fourth to one half its growth, such are said to be half hardy, and those which have had their wood killed in winter to the snow line or to the ground have been noted as tender. Where the experience of one winter only has been had, the conclusions reached can only be regarded as tentative, and may require modification in future.

In the catalogue the botanical names of the trees and shrubs are arranged alphabetically, and where a species or variety has a common name this also is given. The countries are named of which the trees and shrubs are native, also the year in which they were planted. In compiling this work the nomenclature and classification of the "Index Kewensis" and the "Kew Guide" have been adopted. The name of the species or variety is printed in bold faced type, followed by the author's name in small capitals. The term *Hort.* indicates a garden or gardener's variety. Synonyms of genera and species are printed in italics. The common names given are those found in the leading botanical works of modern authors.

While a large number of synonyms have been recorded, it is probable that there are still included in this catalogue some which are listed as species or varieties which are really synonyms. In recording the synonyms the names given are only those under which the species or varieties have been received at the Experimental Farm and do not include all the known synonyms in each case. There has not yet been time to carefully identify every species and variety under test, and it is quite probable that there may be some among them wrongly named. Any botanists who are making a special study of any family or genus would confer a great favour on the authors if they would kindly note any apparent inaccuracies and report them so that such errors may be rectified.

The Arboretum at the Central Experimental Farm is now much visited and an increasing interest manifested in the progress of the work by botanists as well as by the general public. It is hoped that this catalogue will be useful to visitors as a handbook and that its distribution among botanists and others specially interested in the growth of trees and shrubs in this country and abroad will convey much information as to the relative hardiness of species in this part of Canada and at the same time give correct ideas as to the character of the climate in this part of the Dominion.

CATALOGUE

OF

TREES AND SHRUBS

ACANTHOPANAX.

- 1.—**A. aculeatum**, SEEM. South Asia.
Planted, 1897. Winter killed.
A. pentaphyllum = *A. spinosum*, Miq.
- 2.—**A. ricinifolium**, SEEM. China and Japan.
Planted, 1890. Hardy.
- 3.—**A. sessiliflorum**, SEEM. China.
Syn., *Panax sessiliflorum*, Rupr. & Maxim.
Planted, 1896. Half hardy.
- 4.—**A. spinosum**, MIQ. China and Japan.
Syn., *A. pentaphyllum*.
Planted, 1897. Half hardy.
- 5.—**A. spinosum**, fol. albo-marginatis.
Syn., *A. pentaphyllum* fol. variegatis.
Planted, 1899.

ACER—MAPLE.

- 6.—**A. argutum**, MAXIM. Japan.
Planted, 1896. Winter killed.
A. californicum, Dietr. = *A. Negundo californicum*.
- 7.—**A. campestre**, L. ; SYME. Common European Maple. Europe, West Asia.
Planted, 1896. Usually half hardy. Some individuals hardy.
- 8.—**A. campestre austriacum**.
Syn., *A. campestre tauricum*.
Planted, 1896. Half hardy.
A. campestre fol. argenteis marginatis = *A. campestre variegatum*.
- 9.—**A. campestre hebecarpum**.
Planted, 1895. Hardy.
- 10.—**A. campestre pendulum** fol. maculatis.
Planted, 1897. Half hardy.
- 11.—**A. campestre pulverulentum**.
Planted, 1896. Hardy.
A. campestre tauricum = *A. campestre austriacum*.
- 12.—**A. campestre variegatum**. Variegated European Maple.
Syn., *A. campestre* fol. argenteis marginatis.
Planted, 1896. Half hardy.
- 13.—**A. capillipes**, MAXIM. Japan.
Planted, 1896. Winter killed.

ACER—MAPLE—Continued.

- 14.—**A. circinatum**, PURSH. Vine Maple. British Columbia, California.
Planted, 1894. Half hardy. Some specimens hardy.
- 15.—**A. circumlobatum**, MAXIM. Japan.
Planted, 1897. Tender.
- 16.—**A. cissifolium**, C. KOCH. Japan.
Planted, 1897. Tender.
- 17.—**A. crataegifolium**, STEB & ZUCC. Japan.
Thorn-leaved Maple.
Planted, 1897. Winter killed.
- 18.—**A. dasycarpum**, EHRH. White or Silver Maple. Eastern North America.
Syn., *A. eriocarpum*, Michx.
Planted, 1890. Hardy.
- 19.—**A. dasycarpum Arbuscula**.
Planted, 1897. Hardy.
- 20.—**A. dasycarpum** fol. albo-variegatis.
Planted, 1896. Hardy.
- 21.—**A. dasycarpum** fol. aureo-variegatis.
Planted, 1896. Died to near ground, but probably not tender.
- 22.—**A. dasycarpum heterophyllum**.
Planted, 1893. Hardy.
- 23.—**A. dasycarpum laciniatum** Wieri.
Wier's Cut-leaved Maple.
Planted, 1890. Hardy.
- 24.—**A. dasycarpum longifolium**.
Planted, 1897. Hardy.
- 25.—**A. dasycarpum lutescens**.
Planted, 1891. Hardy.
- 26.—**A. dasycarpum macrophyllum**.
Planted, 1896. Hardy.
- 27.—**A. dasycarpum monstrosium**.
Planted, 1896. Hardy.
- 28.—**A. dasycarpum pendulum**.
Planted, 1897. Hardy.
- 29.—**A. dasycarpum pulverulentum**.
Planted, 1897. Hardy.
- 30.—**A. dasycarpum pyramidale**. Pyramidal Silver Maple.
Planted, 1896. Hardy.
- 31.—**A. dasycarpum tripartitum**.
Planted, 1893. Hardy.

ACER—MAPLE—Continued.

- 32.—**A. dasycarpum** **Wagneri dissectum**.
Planted, 1891. Hardy.
- 33.—**A. diabolicum**, BLUME. Japan.
Planted, 1896. Winter killed. Re-planted,
1899.
- 34.—**A. Duretti**, HORT. (**A. Pseudo-platanus**
x A. monspessulanum.)
Planted, 1897. Hardy.
A. eriocarpum, Michx. = *A. dasycarpum*,
Ehrh.
A. Ginnala, Maxim. = *A. tataricum* Ginnala.
- 35.—**A. glabrum**, TORR. & GRAY. Smooth
Maple. Western North America.
Planted, 1891. Hardy.
- 36.—**A. grandidentatum**, NUTT. Western
North America.
Planted, 1899.
- 37.—**A. Heldreichi**, ORPH. Eastern Europe.
Planted, 1896. Hardy.
- 38.—**A. hybridum**, SPACH.
Planted, 1896. Tender.
- 39.—**A. insigne**, BOISS. & BUHSE. Northern
Persia.
Planted, 1896. Tender.
A. insigne Van Volxemi. = *A. Volxemi*,
Masters.
- 40.—**A. japonicum**, THUNB. Japanese Maple.
Japan.
Planted, 1897. Hardy.
A. laetum rubrum, Kirchner. = *A. pictum*
rubrum.
- 41.—**A. Lobelii**, TENORE. Southern Italy.
Planted, 1899.
- 42.—**A. macrophyllum**, PURSH. Large leaved
Maple. British Columbia, California.
Planted, 1894. Winter killed.
- 43.—**A. monspessulanum**, L.; LOUD. Mont-
pellier Maple. Mediterranean Region.
Syn., *A. trilobatum*, Lam.
Planted, 1896. Half hardy.
- 44.—**A. Myabei**. Japan.
Planted, 1896. Hardy.
- 45.—**Acer Negundo**, L. Box Elder. Canada
and United States.
Syn., *N. aceroides*, Moench.
Planted, 1890. Hardy.
- 46.—**A. Negundo auratum**.
Planted, 1899.
- 47.—**A. Negundo californicum**.
Syn., *A. californicum*, Dietr.
Planted, 1898.
- 48.—**A. Negundo californicum fol. aureo-**
variegatis.
Planted, 1898.
- 49.—**A. Negundo crispum**.
Planted, 1897. Half hardy.
- 50.—**A. Negundo fol. argenteis variegatis**.
Planted, 1897. Winter killed.

ACER—MAPLE—Continued.

- 51.—**A. Negundo fol. aureo-marginatis**.
Planted, 1897. Half hardy.
- 52.—**A. Negundo heterophyllum**.
Planted, 1897. Half hardy.
- 53.—**A. Negundo nanum**.
Planted, 1898.
- 54.—**A. Negundo versicolor**.
Planted, 1898.
- 55.—**A. Negundo violaceum**.
Planted, 1897. Hardy.
- 56.—**A. nikoense**, MIQ. Japan.
Planted, 1896. Winter killed.
A. obtusatum, Kit. = *A. opulifolium obtusa-*
tum.
- 57.—**A. opulifolium**, VILL. Europe.
Planted, 1899.
- 58.—**A. opulifolium obtusatum**.
Syn., *A. obtusatum*, Kit.
Planted, 1897. Half hardy.
- 59.—**A. palmatum purpurascens**.
Planted, 1897. Hardy.
- 60.—**A. pennsylvanicum**, L. Striped Maple.
Eastern Canada and United States.
Syn., *A. striatum*, Du Roi.
Planted, 1890. Hardy.
- 61.—**A. pictum rubrum**.
Syn., *A. laetum rubrum*.
Planted, 1899.
- 62.—**A. platanoides**, L. Norway Maple.
Europe.
Planted, 1890. Hardy.
- 63.—**A. platanoides Buntzeli**.
Planted, 1896. Hardy.
- 64.—**A. platanoides columnare**.
Planted, 1896. Hardy.
- 65.—**A. platanoides crispum**.
Planted, 1896. Hardy.
- 66.—**A. platanoides cucullatum**.
Planted, 1893. Hardy.
A. platanoides digitatum fol. aureo-mar-
ginatis = *A. platanoides fol. aureo-mar-*
ginatis.
- 67.—**A. platanoides dilaceratum**.
Planted, 1898.
- 68.—**A. platanoides dissectum**.
Planted, 1898.
- 69.—**A. platanoides fol. albo-variegatis**.
Planted, 1896. Died to ground, but prob-
ably not tender.
- 70.—**A. platanoides fol. aureo-marginatis**.
Syn., *A. platanoides digitatum fol. aureo-*
marginatis.
Planted, 1896. Hardy.
- 71.—**A. platanoides globosum**. Globose Nor-
way Maple.
Planted, 1896. Hardy.

ACER—MAPLE—Continued.

- 72.—**A. platanoides heterophyllum fol. marginatis.**
Planted, 1897. Hardy.
- 73.—**A. platanoides integrilobum.**
Planted, 1897. Hardy.
- 74.—**A. platanoides laciniatum.** Cut-leaved Norway Maple.
Planted, 1891. Hardy.
- 75.—**A. platanoides Lorbergi.**
Planted, 1897. Died to ground; but will probably prove hardy.
- 76.—**A. platanoides nanum.** Dwarf Norway Maple.
Planted, 1891. Hardy.
- 77.—**A. platanoides Oekonomierath Stoll.**
Planted, 1896. Hardy.
- 78.—**A. platanoides pyramidale nanum.** Pyramidal Dwarf Norway Maple.
Planted, 1891. Hardy.
- 79.—**A. platanoides Reichsgraf von Puckler.**
Planted, 1896. Hardy.
- 80.—**A. platanoides Reitenbachi.**
Planted, 1896. Hardy.
- 81.—**A. platanoides Schwedleri.** Schwedler's Maple.
Planted, 1890. Hardy.
- 82.—**A. platanoides undulatum.**
Planted, 1896. Hardy.
- 83.—**A. Pseudo-platanus, L.** Sycamore Maple. Central Europe, Western Asia.
Planted, 1890. Half hardy.
- 84.—**A. Pseudo-platanus Albertsi.**
Planted, 1897. Hardy.
- 85.—**A. Pseudo-platanus Annae.**
Planted, 1899.
- 86.—**A. Pseudo-platanus bicolor.**
Planted, 1897. Half hardy.
- 87.—**A. Pseudo-platanus Douglasi.**
Planted, 1897. Half hardy.
- 88.—**A. Pseudo-platanus erythrocarpum.**
Planted, 1898.
- 89.—**A. Pseudo-platanus euchlorum.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 90.—**A. Pseudo-platanus fol. albo-variegatis.**
Planted, 1890. Tender until 1896, then, winter killed.
- 91.—**A. Pseudo-platanus fol. cupreis.**
Planted, 1897. Half hardy.
- 92.—**A. Pseudo-platanus fol. purpureis aureo-variegatis.**
Planted, 1899.
- 93.—**A. Pseudo-platanus fol. purpureis Prinz Handjery.**
Planted, 1897. Hardy.
- 94.—**A. Pseudo-platanus insigne.**
Planted, 1897. Half hardy.

ACER—MAPLE—Continued.

- 95.—**A. Pseudo-platanus Leopoldi.**
Planted, 1897. Half hardy.
- 96.—**A. Pseudo-platanus luteo-virescens.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 97.—**A. Pseudo-platanus metallicum.**
Planted, 1899.
- 98.—**A. Pseudo-platanus nervosum.**
Planted, 1899.
- 99.—**A. Pseudo-platanus Nizetti purpureascens.**
Planted, 1896. Tender.
- 100.—**A. Pseudo-platanus purpureum.** Purple Sycamore Maple.
Planted, 1890. Tender.
- 101.—**A. Pseudo-platanus rafinesquianum.**
Planted, 1897. Half hardy.
- 102.—**A. Pseudo-platanus serotinum.**
Planted, 1897. Hardy.
- 103.—**A. Pseudo-platanus Simon Louis Frères.**
Planted, 1896. Half hardy.
- 104.—**A. Pseudo-platanus Spaethi.**
Planted, 1897. Hardy.
- 105.—**A. Pseudo-platanus tricolor.**
Planted, 1897. Hardy.
- 106.—**A. Pseudo-platanus trilobatum.**
Planted, 1897. Hardy.
- 107.—**A. Pseudo-platanus versicolor.**
Planted, 1897. Half hardy.
- 108.—**A. Pseudo-platanus Worléi.**
Planted, 1896. Winter killed. Tender in nursery rows.
- 109.—**A. reticulatum, CHAMP.** Hong Kong.
Planted, 1893. Tender until 1896, then winter killed.
- 110.—**A. rubrum, L.** Red or Swamp Maple. Canada, United States.
Planted, 1890. Hardy.
- 111.—**A. rubrum coccineum.**
Planted, 1896. Hardy.
- 112.—**A. rubrum Drummondii.**
Planted, 1896. Hardy.
- 113.—**A. rubrum glaucum.**
Planted, 1896. Hardy.
- 114.—**A. rubrum globosum.**
Planted, 1893. Hardy.
- 115.—**A. rubrum hybridum.**
Planted, 1896. Hardy.
- 116.—**A. rubrum palmatum.**
Planted, 1896. Died to near ground, but probably not tender.
- 117.—**A. rubrum Schlesingeri.**
Planted, 1896. Hardy.
- 118.—**A. rubrum tomentosum.**
Planted, 1896. Died one half, but probably hardy.

ACER—MAPLE—*Concluded.*

- 119.—**A. rufinerve**, SIEB & ZUCC. Japan.
Planted, 1896. Winterkilled. Re-planted,
1899.
- 120.—**A. rufinerve albo-limbatum**.
Planted, 1899.
- 121.—**A. saccharinum**, WANG. Sugar or Rock
Maple. Canada and United States.
Planted, 1896. Hardy.
- 122.—**A. saccharinum nigrum**. Black Maple.
Planted, 1897. Hardy.
- 123.—**A. sieboldianum**, MIQ. Japan.
Planted, 1896. Winter killed.
- 124.—**A. spicatum**, L. Mountain Maple.
Canada, United States.
Planted, 1890. Hardy.
A. striatum, Du Roi. = *A. pennsylvani-*
cum, L.
- 125.—**A. tataricum**, L. Tartarian Maple.
Eastern Europe.
Planted, 1890. Hardy.
- 126.—**A. tataricum Ginnala**. Amurland.
Ginnalian Maple.
Syn., *A. Ginnala*, Maxim.
Planted, 1890. Hardy.
A. Trautvetteri, Medw. = *A. Volzemi*,
Masters.
- 127.—**A. trifidum**, HOOK. & ARN. China.
Planted, 1897. Tender.
A. trilobatum, Lam. = *A. mouspessulanum*,
L.
- 128.—**A. truncatum**, HORT.
Planted, 1897. Half hardy.
- 129.—**A. Volzemi**, MASTERS. Caucasus.
Syn., *A. insigne Van Volzemi*; *A. Traut-*
vetteri, Medw.
Planted, 1897. Half hardy.

ACTINIDIA.

- A. arguta*, Franch & Sav. = *A. callosa*,
Lindl.
- 130.—**A. callosa**, LINDL. Amur, China and
Japan.
Syn., *A. arguta*, Franch and Sav.
Planted, 1896. Half hardy.
- 131.—**A. Kolomikta**, RUPE. Amur, China and
Japan.
Planted, 1897. Hardy.
- 132.—**A. polygama**, SIEB & ZUCC. Japan.
Planted, 1897. Half hardy.

ÆGLE.

- 133.—**Æ. sepiaria**, DC. Hardy or Otaheite
Orange. China and Japan.
Syn., *Limonia trifoliata*, Hort.
Planted, 1897. Winter killed.

ÆSCULUS—HORSE CHESTNUT--BUCKEYE.

- 134.—**Æ. arguta**, BUCKL. Shrubby or Western
Buckeye. United States.
Planted, 1896. Half hardy.
- 135.—**Æ. carnea**, WILLD. Red-flowered Horse
Chestnut. Garden Hybrid.
Syn., *Æ. rubicunda*, DC.; *Æ. Hippocas-*
tanum rubicunda.
Planted, 1893. Hardy.
- 136.—**Æ. carnea Brioti**.
Planted, 1898.
- 137.—**Æ. carnea flore purpureo**. Purple-
flowered Horse Chestnut.
Planted, 1897. Hardy.
- 138.—**Æ. carnea fol. marginatis**.
Planted, 1897. Winter killed. Re-
planted, 1899.
- 139.—**Æ. carnea pendula**. Drooping Horse
Chestnut.
Planted, 1897. Hardy.
- 140.—**Æ. chinensis**, BUNGE. Chinese Horse
Chestnut. North China.
Planted, 1898.
Æ. discolor, Pursh. = *Æ. flava*, Ait.
- 141.—**Æ. flava**, AIT. Yellow, Sweet, or Big
Buckeye. United States.
Syn., *Æ. discolor*, Pursh.; *Æ. lutea*,
Wangh.; *Æ. neglecta*, Don.; *Pavia*
flava, Moench.
Planted, 1894. Hardy.
- 142.—**Æ. glabra**, WILLD. Ohio Buckeye.
United States.
Syn., *Pavia glabra*, Spach.
Planted, 1893. Hardy.
- 143.—**Æ. Hippocastanum**, L. Horse Chest-
nut. Mountains of South-eastern
Europe.
Planted, 1890. Hardy.
- 144.—**Æ. Hippocastanum digitata**.
Planted, 1898.
- 145.—**Æ. Hippocastanum digitata major**.
Planted, 1897. Hardy.
- 146.—**Æ. Hippocastanum flore pleno**. Dou-
ble flowering Horse Chestnut.
Planted, 1893. Hardy.
- 147.—**Æ. Hippocastanum flore pleno rubro**.
Planted, 1897. Hardy.
- 148.—**Æ. Hippocastanum fol. aureis varie-**
gatis. Variegated Horse Chestnut.
Planted, 1893. Hardy.
- 149.—**Æ. Hippocastanum laciniata**. Cut-
leaved Horse Chestnut.
Planted, 1895. Hardy.
- 150.—**Æ. Hippocastanum Memmingeri**.
Planted, 1893. Hardy.
- 151.—**Æ. Hippocastanum pumila flore pleno**.
Dwarf Double-flowering Horse Chest-
nut.
Planted, 1896. Hardy.

ÆSCULUS—HORSE CHESTNUT—BUCKEYE—*Con.*

- 152.—**Æ. Hippocastanum pyramidalis.** Pyramidal Horse Chestnut.
Planted, 1896. Hardy.
Æ. Hippocastanum rubicunda = *Æ. carnea*, Willd.
- 153.—**Æ. Hippocastanum umbraculifera.**
Planted, 1896. Hardy.
Æ. humilis, Lodd. = *Æ. Pavia*, L.
- 154.—**Æ. Lyonii**, HORT. (*Æ. flava* x *Æ. Pavia*.)
Planted, 1895. Hardy.
Æ. neglecta, Lindl. = *Æ. flava*, Ait.
- 155.—**Æ. parviflora**, WALT. South-eastern United States.
Syn., *Pavia macrostachya*, Loisel.
Planted, 1895. Tender.
- 156.—**Æ. Pavia**, L. Red Buckeye. United States.
Syn., *Æ. humilis*, Lodd.; *Pavia rubra*, Lam.
Planted, 1898.
Æ. Pavia arguta = *Æ. arguta*, Buckl.
- 157.—**Æ. Pavia atrosanguinea.**
Planted, 1896. Hardy.
- 158.—**Æ. Pavia mutabilis.**
Planted, 1898.
- 159.—**Æ. Pavia nana.** Dwarf Buckeye.
Planted, 1896. Hardy.
- 160.—**Æ. Pavia x Æ. flava?**
Planted, 1898.
Æ. rubicunda, DC. = *Æ. carnea*, Willd.
- 161.—**Æ. Schirnhoferi**, NEWEHL.
Planted, 1896. Hardy.
- 162.—**Æ. turbinata**, BLUME. Japan.
Planted, 1897. Hardy.
Æ. variegata = *Æ. Hippocastanum fol. aureo-variegatis*.
- 163.—**Æ. versicolor**, DIPP. (*Æ. Flava* x *Æ. Pavia*.)
Planted, 1896. Hardy.

AILANTUS—TREE OF HEAVEN.

- 164.—**A. glandulosa**, DESF. Tree of Heaven.
China.
Planted, 1890. Tender until 1896, then winter killed

AKEBIA.

- 165.—**A. lobata**, DECNE. Japan.
Planted, 1897. Tender.
- 166.—**A. quinata**, DC. China and Japan.
Planted, 1896. Half hardy.
ALDER. See ALNUS.
ALLSPICE, WILD. See LINDERA.
ALLSPICE, CAROLINA. See CALYCANTHUS.
ALMOND. See PRUNUS.

ALNUS—ALDER.

- 167.—**A. acuminata**, H. B. & K.
Syn., *A. rugosa*, Spreng.
Planted, 1898.
A. cordata, Desf. = *A. cordifolia*, Tenore.
- 168.—**A. cordifolia**, TENORE. Heart-leaved Alder. South Europe.
Syn., *A. cordata*, Desf.
Planted, 1896. Winter killed. Tender in nursery rows.
- 169.—**A. glutinosa**, MEDIC. Common Alder. Europe, N. Africa, W. & N. Asia.
Planted, 1890. Hardy.
- 170.—**A. glutinosa aurea.** Golden-leaved Alder.
Planted, 1899.
- 171.—**A. glutinosa fol. variegatis.** Variegated Alder.
Planted, 1896. Hardy.
- 172.—**A. glutinosa imperialis.** Imperial Cut-leaved Alder.
Planted, 1896. Hardy.
- 173.—**A. glutinosa laciniata.** Cut-leaved Alder.
Planted, 1899.
- 174.—**A. glutinosa oxyacanthifolia.** Hawthorn-leaved Alder.
Planted, 1898.
- 175.—**A. glutinosa pyramidalis.** Pyramidal Alder.
Syn., *A. glutinosa pyramidalis birkiana*.
Planted, 1896. Hardy.
A. glutinosa pyramidalis birkiana *A. glutinosa pyramidalis*.
- 176.—**A. glutinosa quercifolia.** Oak-leaved Alder.
Planted, 1897. Hardy.
- 177.—**A. glutinosa rubrinervia.**
Planted, 1898.
- 178.—**A. glutinosa sorbifolia.**
Planted, 1897. Hardy.
- 179.—**A. incana**, MOENCH. Speckled or Hoary Alder. Northern Temperate Regions.
Planted, 1896. Hardy.
- 180.—**A. incana aurea.** Golden Hoary Alder.
Planted, 1897. Hardy.
- 181.—**A. incana glauca.**
Planted, 1896. Hardy.
- 182.—**A. incana hirsuta.**
Planted, 1896. Hardy.
- 183.—**A. incana laciniata.** Cut-leaved Hoary Alder.
Planted, 1896. Hardy.
- 184.—**A. incana monstrosa.**
Planted, 1896. Hardy.
- 185.—**A. incana pendula nova.** Pendulous Hoary Alder.
Planted, 1896. Hardy.
- 186.—**A. incana sorbifolia.**
Planted, 1896. Hardy.

ALNUS—ALDER—Concluded.

- 187.—**A. incana tomentosa.**
Planted, 1896. Hardy.
- 188.—**A. japonica**, SIEB & ZUCC. Japanese Alder. Japan.
Planted, 1896. Hardy.
- 189.—**A. japonica multissima.**
Planted, 1896. Winter killed.
- 190.—**A. latifolia**, HORT.
Planted, 1898.
- 191.—**A. macrophylla**, HORT. Large-leaved Alder.
Planted, 1898.
- 192.—**A. maritima**, MUEHLENB. Seaside Alder. North America.
Syn., *A. oblongata*, Mill.
Planted, 1898.
A. oblongata, Dippel = *A. maritima*, Muehlenb.
A. occidentalis, Dipp. = *A. tenuifolia*, Nutt.
- 193.—**A. oregona**, NUTT. Red Alder. Western North America.
Planted, 1896. Hardy.
- 194.—**A. orientalis**, DECNE. Eastern Alder. Orient.
Planted, 1896. Hardy.
- 195.—**A. orientalis pubescens.**
Planted, 1897. Hardy.
A. ovata, Hort. = *A. viridis parvifolia*, Regel.
- 196.—**A. rhombifolia**, NUTT. Mountain Alder. California.
Planted, 1896. Winter killed. Re-planted, 1899.
A. rugosa, Spreng. = *A. acuminata*, H. B. & K.
- 197.—**A. serrulata**, WILLD. Smooth Alder. North America.
Planted, 1893. Half hardy.
- 198.—**A. tenuifolia**, NUTT. Narrowleaf Alder.
Syn., *A. occidentalis*, Dippel.
Planted, 1896. Hardy.
- 199.—**A. virescens**, KOEHNE. Colorado.
Planted, 1899.
- 200.—**A. viridis**, DC. Green Alder. Northern Regions.
Planted, 1896. Hardy.
- 201.—**A. viridis parvifolia.**
Planted, 1898.

AMELANCHIER—JUNE-BERRY.

- 202.—**A. alnifolia**, NUTT. Alder-leaved June-berry. North-western America.
Planted, 1898. Hardy.
A. asiatica, Hort. = *A. canadensis*, Torr. & Gray.
- 203.—**A. canadensis**, TORR. & GRAY. Shad-Bush. Service-Berry. Canada.
Syn., *A. asiatica*, Hort.
Planted, 1896. Hardy.

AMELANCHIER—JUNE-BERRY—Concluded.

- 204.—**A. canadensis nana.** Dwarf June-Berry.
Planted, 1889. Hardy.
- 205.—**A. canadensis oblongifolia.**
Planted, 1889. Hardy.
- 206.—**A. canadensis obovalis.**
Planted, 1896. Hardy.
- 207.—**A. canadensis spicata.**
Syn., *A. ovalis*, Borkh.
Planted, 1896. Hardy.
- 208.—**A. oligocarpa**, ROEM. Northern United States.
Planted, 1896. Hardy.
A. ovalis, Borkh. = *A. canadensis spicata*.
- 209.—**A. vulgaris**, MOENCH. Common European Service-Berry. Europe.
Planted, 1890. Hardy.

AMORPHA—FALSE INDIGO.

- 210.—**A. canescens**, NUTT. Lead Plant. Northern United States and Canada.
Planted, 1896. Partly winter killed, but probably hardy.
A. fragrans nana = *A. fruticosa nana*.
- 211.—**A. fruticosa**, L. False Indigo. United States and Western Canada.
Planted, 1897. Half hardy.
- 212.—**A. fruticosa crispa.**
Planted, 1896. Half hardy.
- 213.—**A. fruticosa croceo-lanata.**
Planted, 1896. Half hardy.
- 214.—**A. fruticosa dealbata.**
Planted, 1896. Half hardy.
- 215.—**A. fruticosa elata.**
Planted, 1896. Half hardy.
- 216.—**A. fruticosa fragrans.**
Planted, 1896. Tender.
- 217.—**A. fruticosa Lewisii.**
Planted, 1889. Half hardy.
- 218.—**A. fruticosa macrophylla.**
Planted, 1896. Half hardy.
- 219.—**A. fruticosa pendula.**
Planted, 1896. Half hardy.
- 220.—**A. fruticosa pubescens.**
Planted, 1889. Hardy.
- 221.—**A. fruticosa purpurascens.**
Planted, 1896. Half hardy.
AMPELOPSIS. See VITIS.
AMPHIRAPHIS. See MICROGLOSSA.

ANDROMEDA.

- A. arborea*, L. = *Oxydendron arboreum*, DC.
- A. calyculata*, L. = *Cassandra calyculata*, D. Don.
- A. cernua rubens* = *Enkianthus cernuus rubens*.

ANDROMEDA—Concluded.

- 222.—**A. Hendersonii**.
Planted, 1899.
A. japonica, Thunb. = *Pieris japonica*, D. Don.
A. japonica foliis albo-marginatis = *Pieris japonica foliis albo-marginatis*.
A. ligustrina, Muhl. = *Lyonia paniculata*, Nutt.
A. ovalifolia, Wall. = *Pieris ovalifolia*, D. Don.
- 223.—**A. polifolia**, L. Northern and Arctic regions.
Planted, 1896. Hardy.
- 224.—**A. polifolia glauca**.
Planted, 1897. Hardy.
- 225.—**A. Rollisonii**.
Planted, 1898.
A. speciosa, Michx. = *Zenobia speciosa*, D. Don.
- ANONA. See ASIMINA.

APHANANTHE.

- 226.—**A. aspera**, PLANCH. Japan and China.
Planted, 1898.
APPLE. See PYRUS.
APRICOT. See PRUNUS.

ARALIA.

- A. canescens* = *A. chinensis canescens*.
- 227.—**A. chinensis**, var. *elata*, DIPPEL. China, etc
Syn., *Dimorphanthus mandschuricus*, Maxim.
Planted, 1896. Tender.
- 228.—**A. chinensis canescens**.
Syn., *A. canescens*.
Planted, 1897. Hardy.
- 229.—**A. hybrida**, HORT.
Planted, 1896. Winter killed.
A. japonica, Thunb. = *Fatsia japonica*, Dcne. & Planch.
A. pinnatifida, Jungh & De Vriese = *Aralidium pinnatifidum*, Miq.
A. Sieboldii, Sieb. = *Fatsia japonica*, Dcne. & Planch.
- 230.—**A. spinosa**, L. Angelica-tree. Hercules Club. Eastern United States.
Planted, 1893. Winter killed. Replanted, 1899.

ARALIDIUM.

- 231.—**A. pinnatifidum**, MIQ. Malacca.
Syn., *A. pinnatifida*, Jungh & De Vriese.
Planted, 1896. Hardy. Received here under that name. Probably not true.

ARBUTUS.

- 232.—**A. Unedo**, L. Southern Europe (Ireland).
Planted, 1895. Winter killed. Replanted, 1899.

ARCTOSTAPHYLOS.

- 233.—**A. Uva-ursi**, SPRENG. Northern hemisphere.
Planted, 1894. Hardy.

ARISTOLOCHIA—BIRTHWORT.

- 234.—**A. Siphon**, L'HÉRIT. Dutchman's Pipe. United States.
Planted, 1894. Half hardy.
- 235.—**A. tomentosa**, SIMS. Southern United States.
Planted, 1896. Half hardy.
ARROW-WOOD. See VIBURNUM.

ARTEMISIA—SOUTHERN-WOOD.

- 236.—**A. Abrotanum**, L. Old Man, Southern-wood. South Europe.
Planted, 1896. Half hardy.
- 237.—**A. Abrotanum tobolskianum**. Russia.
Planted, 1896. Half hardy.
- 238.—**A. procera**, WILLD. South-east Europe, Asia Minor.
Planted, 1891. Hardy.
- 239.—**A. tridentata**, NUTT. Western United States.
Planted, 1899.
ASH. See FRAXINUS.
ASH, MOUNTAIN. See PYRUS.
ASH, PRICKLY. See XANTHOXYLUM.

ASIMINA—NORTH AMERICAN PAPAW.

- 240.—**A. triloba**, DUNAL. Common Papaw. South-western Ontario. United States.
Syn., *Anona triloba*, L.
Planted, 1897. Winter killed.
AZALEA. See RHODODENDRON.

AZARA.

241. **A. microphylla**, Hook. Chili.
Planted 1899.

BACCHARIS—GROUNDSSEL-TREE.

- 242.—**B. halimifolia**, L. Groundsel-tree. North America.
Planted, 1895. Winter killed.
- 243.—**B. patagonica**, Hook. & ARN. Magellanic region.
Planted, 1897. Winter killed. Replanted, 1899.
- 244.—**B. salicina**, TORR. & GRAY. Colorado to Texas.
Planted, 1897. Winter killed.
BARBERRY. See BERBERIS.
BASSWOOD. See TILIA.
BAY, LOBLOLLY. See GORDONIA.
BAYBERRY. See MYRICA.
BEECH. See FAGUS.

BERBERIS—BARBERRY.

- 245.—**B. alscuthiensis**, HORT.
Planted, 1896. Hardy.
- 246.—**B. alba spicata**.
Planted, 1899.
- 247.—**B. amurensis**, RUPR. Amur Barberry.
Mandschuria.
Planted, 1896. Hardy.
B. angulizans, Hort. = *B. vulgaris angulizans*.
- 248.—**B. Aquifolium**, PURSH. Oregon Grape.
Western North America.
Syn., *Mahonia Aquifolium*, Paxt.
Planted, 1889. Half hardy.
- 249.—**B. Aquifolium murrayana**.
Planted, 1899.
B. Aquifolium Fremonti = *B. Fremonti*, Torr.
- 250.—**B. aristata**, DC. Himalaya.
Syn., *B. macrophylla*, Hort.
Planted, 1898.
- 251.—**B. aristata floribunda**.
Planted, 1897. Hardy.
- 252.—**B. asiatica**, ROXB. Asiatic Barberry.
Himalaya.
Planted, 1896. Hardy.
B. brachybotrys, Edger. = *B. vulgaris brachybotrys*.
- 253.—**B. buxifolia**, LAM. Box-leaved Barberry.
Chili.
Syn., *B. dulcis*, Sweet.
Planted, 1896. Tender.
- 254.—**B. buxifolia nana**. Dwarf Box-leaved Barberry.
Planted, 1899.
- 255.—**B. canadensis**, PURSH. American Barberry.
Eastern United States.
Syn., *B. caroliniana*, Sweet.
Planted, 1896. Hardy.
B. caroliniana, Sweet = *B. canadensis*, Pursh.
- 256.—**B. cerasina**, SCHRAD.
Planted, 1899.
B. chinensis, Hort. = *B. sinensis*, Desf.
B. crataegina, Hort. = *B. vulgaris crataegina*.
- 257.—**B. cretica**, L. Cretan Barberry. Mediterranean Region.
Planted, 1896. Hardy.
- 258.—**B. Darwinii**, HOOK. Darwin's Barberry.
Chili.
Planted, 1894. Winter killed.
B. dulcis, Sweet = *B. buxifolia*, Lam.
B. elegans, Hort. = *B. Lycium*, Royle.
B. emarginata, Willd. = *B. vulgaris emarginata*.
- 259.—**B. Fischeri**, HORT.
Planted, 1894. Hardy.
- 260.—**B. floribunda nepalensis**, HORT.
Planted, 1896. Hardy.

BERBERIS—BARBERRY—Continued.

- 261.—**B. Fremonti**, TORR. Western North America.
Syn., *B. Aquifolium Fremonti*.
Planted, 1898.
B. globularis, Hort. = *B. vulgaris globularis*.
- 262.—**B. heteropoda**, SCHRENK. Central Asia.
Planted, 1898.
- 263.—**B. heterophylla**, JESS. Chili.
Planted, 1896. Half hardy.
- 264.—**B. hybrida reflexa**.
Planted, 1899.
- 265.—**B. ilicifolia**, FORST. Holly-leaved Barberry. Straits of Magellan.
Planted, 1896. Tender.
- 266.—**B. integerrima**, BUNGE. Central Asia.
Planted, 1896. Hardy.
B. Knightii, Hort. = *B. wallichiana latifolia*.
B. laxiflora, Hort. = *B. vulgaris laxiflora*.
B. lucida, Schrad. = *B. vulgaris lucida*.
- 267.—**B. Lycium**, ROYLE. Himalaya.
Syn., *B. elegans*, Hort.
Planted, 1896. Hardy.
B. macrophylla, Hort. = *B. aristata*, DC.
- 268.—**B. microphylla serrata**.
Planted, 1899.
- 269.—**B. Neuberti**. (*B. Aquifolium* x *B. vulgaris*).
Garden origin.
Planted, 1898.
B. petiolaris, Hort. = *B. vulgaris petiolaris*.
B. sanguinolenta, Hort. = *B. vulgaris sanguinolenta*.
- 270.—**B. sibirica**, PALL. Siberian Barberry.
Siberia.
Planted, 1896. Hardy.
- 271.—**B. Sieboldii**, MIQ. Siebold's Barberry.
China and Japan.
Planted, 1896. Hardy.
- 272.—**B. Sieboldii variet**.
Planted, 1896. Half hardy.
- 273.—**B. sinensis**, DESF. Chinese Barberry.
China and Japan.
Syn., *B. chinensis*, Hort.
Planted, 1889. Hardy.
- 274.—**B. stenophylla**, MOORE. Garden origin.
Planted, 1896. Half hardy.
- 275.—**B. Thunbergi**, DC. Thunberg's Barberry.
Japan.
Planted, 1896. Hardy.
- 276.—**B. Tom Thumb**, BUDD.
Planted, 1889. Hardy.
- 277.—**B. virescens**, HOOK. Himalaya.
Planted, 1896. Half hardy.
- 278.—**B. vulgaris**, L. Common Barberry. Europe, Temperate Asia.
Planted, 1889. Hardy.

BERBERIS—BARBERRY—*Concluded.*

- 279.—**B. vulgaris angulizans.**
Syn., *B. angulizans*, *Hort.*
 Planted, 1896. Hardy.
- 280.—**B. vulgaris brachybotrys.**
Syn., *B. brachybotrys*, *Edgew.*
 Planted, 1899.
- 281.—**B. vulgaris crataegina.**
Syn., *B. crataegina*, *Hort.*
 Planted, 1896. Hardy.
- 282.—**B. vulgaris emarginata.**
Syn., *B. emarginata*, *Willd.*
 Planted, 1896. Hardy.
- 283.—**B. vulgaris fol. aureo-marginatis.**
 Planted, 1898.
- 284.—**B. vulgaris fructu albo.**
 Planted, 1899.
- 285.—**B. vulgaris globularis.**
Syn., *B. globularis*, *Hort.*
 Planted, 1898.
- 286.—**B. vulgaris iberica.**
 Planted, 1897. Hardy.
- 287.—**B. vulgaris japonica.**
 Planted, 1899.
- 288.—**B. vulgaris laxiflora.**
Syn., *B. laxiflora*, *Hort.*
 Planted, 1896. Hardy.
- 289.—**B. vulgaris lucida.**
Syn., *B. lucida*, *Schrad.*
 Planted, 1896. Hardy.
- 290.—**B. vulgaris petiolaris.**
Syn., *B. petiolaris*, *Hort.*
 Planted, 1896. Hardy.
- 291.—**B. vulgaris foliis purpureis.** Purple-leaved Barberry.
Syn., *B. vulgaris purpurea*.
 Planted, 1889. Hardy.
- 292.—**B. vulgaris rotundifolia.** Round-leaved Barberry.
 Planted, 1896. Hardy.
- 293.—**B. vulgaris sanguinolenta.**
Syn., *B. sanguinolenta*, *Hort.*
 Planted, 1896. Hardy.
- 294.—**B. vulgaris violacea.**
 Planted, 1896. Hardy.
- 295.—**B. vulgaris virgata.**
 Planted, 1899.
- 296.—**B. wallichiana latifolia.**
Syn., *B. Knightii*, *Hort.*
 Planted, 1899.

BERCHEMIA.

- 297.—**B. racemosa**, *SIEB. & ZUCC.* Japan.
 Planted, 1895. Tender. Winter killed, 1898. Re-planted, 1899.

BETULA—BIRCH.

- 298.—**B. alba**, *L.* European White Birch.
 Northern Hemisphere.
 Planted, 1890. Hardy.
- 299.—**B. alba aurea.**
 Planted, 1897. Hardy.
B. alba costata = *B. ulmifolia*, *Sieb. & Zucc.*
- 300.—**B. alba fastigiata.** Pyramidal Birch.
Syn., *B. pyramidalis*.
 Planted, 1891. Hardy.
B. alba japonica = *B. alba Tauschii*.
- 301.—**B. alba laciniata pendula.** Cut-leaved Birch.
 Planted, 1890. Hardy.
- 302.—**B. alba pendula.**
Syn., *B. tristis*, *Hort.*
 Planted, 1896. Hardy.
- 303.—**B. alba pendula elegans.**
 Planted, 1898.
- 304.—**B. alba pendula Youngi.** Young's Weeping Birch.
 Planted, 1893. Hardy.
B. alba populifolia = *B. populifolia*, *Marsh.*
- 305.—**B. alba pubescens.**
Syn., *B. pubescens*, *Ehrh.*
 Planted, 1893. Hardy.
- 306.—**B. alba purpurea.** Purpled-leaved Birch.
 Planted, 1890. Hardy.
- 307.—**B. alba Tauschii.**
Syn., *B. alba japonica*.
 Planted, 1896. Hardy.
- 308.—**B. alba x B. humilis**, *ZABEL.* North Asia.
 Planted, 1897. Hardy.
B. Bhojpattra glandulifera = *B. utilis glandulifera*.
- 309.—**B. corylifolia**, *REGEL & MAXIM.* Japan.
 Planted, 1891. Hardy.
B. costata, *Trautv.* = *B. ulmifolia*, *Sieb. & Zucc.*
- 310.—**B. davurica**, *PALL.* North Asia, North America.
 Planted, 1894. Hardy.
- 311.—**B. dentata viscosa pyramidalis.**
 Planted, 1899.
- 312.—**B. Ermani**, *CHAM.* Japan.
 Planted, 1899.
B. excelsa, *Ait.* = *B. papyrifera*, *Marsh.*
- 313.—**B. fruticosa**, *PALL.* North Europe, North Asia.
 Planted, 1896. Hardy.
- 314.—**B. fruticosa Gmelini.**
Syn., *B. Gmelini*, *Regel.*
 Planted, 1891. Hardy.
- 315.—**B. glandulosa**, *MICHX.* Dwarf Birch.
 Canada, United States.
 Planted, 1899.
B. Gmelini. Regel = *B. fruticosa Gmelini*.

BETULA—BIRCH—Concluded.

- 316.—**B. grossa**, SIEB. & ZUCC. Japan.
Planted, 1896. Hardy.
- 317.—**B. humilis**, SCHRANK. Northern hemisphere.
Planted, 1893. Hardy.
- 318.—**B. humilis kamtschatica**.
Planted, 1899.
- 319.—**Betula lenta**, L. Sweet Birch. North America.
Planted, 1890. Hardy.
- 320.—**B. lutea**, MICHX. Yellow Birch. North America.
Planted, 1898. Hardy.
- 321.—**B. lutea persicifolia**.
Planted, 1897. Hardy.
- 322.—**B. Maximowiczii**, REGEI. Japan.
Planted, 1896. Hardy.
- 323.—**B. Motwoodyei**
Planted, 1896. Hardy.
- 324.—**B. nana**, L. Dwarf Birch. Northern Hemisphere.
Planted, 1899.
- 325.—**B. nigra**, L. River Birch. United States.
Syn., *B. rubra*, Michx.
Planted, 1893. Hardy.
- 326.—**B. occidentalis**, HOOK. Canon Birch. Western North America.
Planted, 1891. Hardy.
B. papyracea, Dryand. = *B. papyrifera*, Marsh.
- 327.—**B. papyrifera**, MARSH. Paper Birch. Canada, United States.
Syn., *B. papyracea*, Dryand.; *B. excelsa*, Ait.
Planted, 1896. Hardy.
- 328.—**B. papyrifera occidentalis**.
Planted, 1898.
- 329.—**B. papyrifera** x **B. pumila**, ZABEL.
Planted, 1897. Hardy.
- 330.—**B. populifolia**, MARSH. White Birch. North America.
Syn., *B. alba populifolia*.
Planted, 1896. Hardy.
B. pubescens, Ehrh. = *B. alba pubescens*.
- 331.—**B. pumila**, L. Low Birch. North America.
Planted, 1899.
B. pyramidalis = *B. alba fastigiata*.
B. rubra, Michx. = *B. nigra*, L.
B. tristis, Hort. = *B. alba pendula*, Hort.
- 332.—**B. ulmifolia**, SIEB. & ZUCC. Japan.
Syn., *B. costata*, Trautv.
Planted, 1897. Hardy.
- 333.—**B. utilis**, D. DON. Himalaya.
Planted, 1899.
- 334.—**Betula utilis glandulifera**.
Syn., *B. Bhojpattra glandulifera*.
Planted, 1897. Hardy.

BIGELOVIA.

- 335.—**B. Douglasii tortifolia**.
Planted, 1899.
- BIGNONIA. See TECOMA.
- BILBERRY. See VACCINIUM.
- BIOTA. See THUYA.
- BIRCH. See BETULA.
- BIRTHWORT. See ARISTOLOCHIA.
- BITTER-SWEET, SHRUBBY. See CELASTRUS.
- BLACKBERRY. See RUBUS.
- BLADDER-NUT. See STAPHYLEA.
- BLUEBERRY. See VACCINIUM.
- BOX. See BUXUS.
- BROOM. See CYTISUS.

BROUSSONETIA—PAPER MULBERRY.

- 336.—**B. Kazinoki**, SIEB. Japan.
Planted, 1898.
- 337.—**B. papyrifera**, VENT. Paper Mulberry. China, Japan.
Planted, 1899.
- 338.—**B. papyrifera cucullata**.
Planted, 1899.
- 339.—**B. papyrifera dissecta**.
Planted, 1899.
- 340.—**B. papyrifera macrophylla**.
Planted, 1899.
- BUCKTHORN. See RHAMNUS.

BUDDLEIA.

- B. curviflora*, André = *B. japonica*, Hemsl.
- B. insignis*, Carr. = *B. japonica insignis*.
- 341.—**B. intermedia**, CARR. (*B. curviflora* & *B. lindleyana*). Garden Origin.
Planted, 1898.
- 342.—**B. japonica**, HEMSL. Japan.
Syn., *B. curviflora*, André.
Planted, 1896. Tender.
- 343.—**B. variabilis**, HEMSL. Japan.
Planted, 1899.

BUPLEURUM.

- 344.—**B. fruticosum**, L. Mediterranean Region.
Planted, 1895. Winter killed.
- BUTTERNUT. See JUGLANS.
- BUTTON-BUSH. See CEPHALANTHUS.

BUXUS—Box.

- B. arborescens*, Mill. = *B. sempervirens arborescens*.
- 345.—**B. balearica**, LAM. Balearic Islands.
Planted, 1895. Winter killed.
- 346.—**B. microphylla glauca**.
Planted, 1895. Winter killed.

BUXUS—Box—*Concluded.*

- 347.—**B. sempervirens arborescens.**
Syn., *B. arborescens*, Mill.
 Planted, 1895. Half hardy.
- 348.—**B. sempervirens aurea.**
 Planted, 1895. Winter killed.
- 349.—**B. sempervirens aurea variegata.**
 Planted, 1895. Winter killed.
- 350.—**B. sempervirens argentea.**
 Planted, 1895. Winter killed.
- 351.—**B. sempervirens macrophylla aurea.**
 Planted, 1895. Winter killed.
- 352.—**B. sempervirens macrophylla rotundifolia.**
 Planted, 1895. Winter killed.
- 353.—**B. sempervirens microphylla glauca.**
 Planted, 1895. Winter killed.
- 354.—**B. sempervirens pyramidalis variegata.**
 Planted, 1895. Winter killed.
- 355.—**B. sempervirens suffruticosa.**
 Planted, 1895. Winter killed.
B. suffruticosa, Mill. = *B. sempervirens suffruticosa*.

CÆSALPINA.

- 356.—**C. japonica**, SIEB. & ZUCC. Japan.
 Planted, 1899.

CALLICARPA.

- 357.—**C. americana**, L. Virginia to Texas.
 Planted, 1896. Winter killed.
C. gracilis, Sieb. & Zucc. = *C. purpurea*, Juss.
- 358.—**C. purpurea**, JUSS. China and Japan.
Syn., *C. gracilis*, Sieb. & Zucc.
 Planted, 1897. Winter killed.

CALLUNA—HEATHER.

- 359.—**C. vulgaris**, SALISB. Heather. Europe.
 Planted, 1895. Half hardy.
- 360.—**C. vulgaris alba.** White heather.
 Planted, 1896. Winter killed. Re-
- 361.—**C. vulgaris cuprea.**
 Planted, 1898.
- 362.—**C. vulgaris Foxii.**
 Planted, 1898.
- 363.—**C. vulgaris pumila.**
 Planted, 1895. Winter killed.
- 364.—**C. vulgaris stricta.**
 Planted, 1898.

CALOPHACA.

- 365.—**C. wolgarica**, FISCH. South Russia.
 Planted, 1896. Hardy.

CALYCANTHUS—CAROLINA ALLSPICE.

- C. fertilis*, Walt. = *C. glaucus*, Willd.
- 366.—**C. floridus**, L. South United States.
 Planted, 1893. Half hardy.
- 367.—**C. glaucus**, WILLD. South United States.
Syn., *C. fertilis*, Walt.
 Planted, 1895. Winter killed. Re-planted, 1899.
C. grandiflorus = *Chimonanthus fragrans grandiflorus*.
C. praecox, L. = *Chimonanthus fragrans*, Lindl.

CARAGANA—SIBERIAN PEA TREE.

- 368.—**C. arborescens**, LAM. Siberian Pea Tree. Siberia.
Syn., *A. Redowskii*, Fisch.
 Planted, 1889. Hardy.
- 369.—**C. arborescens fol. variegatis.** Variegated Siberian Pea Tree.
 Planted, 1896. Hardy.
- 370.—**C. arborescens lutescens.**
 Planted, 1896. Hardy.
- 371.—**C. arborescens nana.** Dwarf Siberian Pea Tree.
 Planted, 1896. Hardy.
- 372.—**C. arborescens pendula.** Pendulous Siberian Pea.
 Planted, 1896. Hardy.
- 373.—**C. Chamlagu**, LAM. China and Japan.
 Planted, 1891. Hardy.
- 374.—**C. cucullata**, HORT.
 Planted, 1896. Hardy.
- 375.—**C. cuneifolia**, DIPP.
 Planted, 1896. Hardy.
- 376.—**C. frutescens**, DC. Woody Caragana. Russia to Japan.
 Planted, 1895. Hardy.
- 377.—**C. frutescens acutifolia.**
 Planted, 1896. Hardy.
C. frutescens grandiflora = *C. grandiflora*, DC.
- 378.—**C. frutescens latifolia.**
 Planted, 1896. Hardy.
- 379.—**C. frutescens macrophylla.**
 Planted, 1896. Hardy.
- 380.—**C. frutescens mollis glabra.**
 Planted, 1894. Hardy.
- 381.—**C. grandiflora**, DC. Large flowered Caragana. Region of Caspian Sea.
Syn., *C. frutescens grandiflora*.
 Planted, 1894. Hardy.
- 382.—**C. jubata**, POIR. Siberia.
 Planted, 1897. Hardy.
- 383.—**C. microphylla**, LAM. Altai and Dahuria, Eastward.
 Planted, 1896. Hardy.

CARAGANA—SIBERIAN PEA TREE—*Concluded.*

- 384.—*C. pygmaea*, DC. Dwarf Caragana.
Caucasus to Himalaya.
Planted, 1895. Hardy.
- 385.—*C. pygmaea aurantiaca*.
Planted, 1897. Hardy.
C. Redowskii, Fisch. = *C. arborescens*, Lam.
- 386.—*C. spinosa*, DC. Thorny Caragana.
Siberia.
Planted, 1896. Hardy.

CARPINUS—HORNBEEAM.

- C. americana*, Michx. = *C. caroliniana*, Walt.
- 387.—*C. amurensis*.
Planted, 1896. Hardy.
- 388.—*C. Betulus*, L. European Hornbeam.
Europe, W. Asia.
Planted, 1896. Half hardy.
- 389.—*C. Betulus Carpinizza*.
Planted, 1896. Half hardy.
- 390.—*C. Betulus columnaris*.
Planted, 1897. Hardy.
- 391.—*C. Betulus fastigiata*.
Planted, 1896. Winter killed. Re-planted, 1899.
- 392.—*C. Betulus fol. marmoratis nova*.
Planted, 1898.
- 393.—*C. Betulus pendula*.
Planted, 1896. Hardy.
- 394.—*C. Betulus fol. punctatis*.
Planted, 1897. Hardy.
- 395.—*C. canashida*.
Planted, 1897. Hardy.
- 396.—*C. caroliniana*, WALT. Blue Beech.
North America.
Syn., *C. americana*, Michx.
Planted, 1898. Hardy.
- 397.—*C. cordata*, BLUME. Japan.
Planted, 1898.
- 398.—*C. laxiflora*, BLUME. Japan.
Planted, 1897. Hardy.
- 399.—*C. orientalis*, MILL. South Europe.
Orient.
Planted, 1897. Hardy.

CARYA—HICORY.

- 400.—*C. alba*, NUTT. Shagbark Hicory. North America.
Planted, 1893. Hardy.
- 401.—*C. amara*, NUTT. Bitternut Hicory. North America.
Planted, 1897. Hardy.
C. microcarpa Nutt. = *C. porcina microcarpa*.
- 402.—*C. olivaeformis*, NUTT. Pecan. Southern United States.
Planted, 1897. Tender.

CARYA—HICORY—*Concluded.*

- 403.—*C. porcina*, NUTT. Pignut Hicory.
Planted, 1897. Half hardy.
- 404.—*C. porcina microcarpa*. Small-leaved Pignut Hicory.
Syn., *C. microcarpa*, Nutt.
Planted, 1897. Tender.
- 405.—*C. sulcata*, NUTT. Shellbark Hicory.
United States.
Planted, 1897. Half hardy.
- 406.—*C. tomentosa*, NUTT. Mockernut Hicory.
North America.
Planted, 1897. Half hardy.

CARYOPTERIS.

- 407.—*C. Mastacanthus*, SCHAUER. China and Japan.
Planted, 1897. Winter killed.

CASSANDRA.

- 408.—*C. calyculata*, D. DON. Northern hemisphere.
Syn., *Andromeda calyculata*, L.
Planted, 1897. Hardy.

CASSINIA.

- 409.—*C. fulvida*, HOOK. New Zealand.
Syn., *Diplopappus chrysophyllus*, Hort.
Planted, 1895. Winter killed.

CASTANEA—CHESTNUT.

- 410.—*C. dentata*, BORKH. American Chestnut. North America.
Syn., *C. sativa americana*; *C. vesca americana*; *C. vulgaris americana*.
Planted, 1890. A few specimens hardy.
- 411.—*C. pumila*, MILL. Southern Pennsylvania to Northern Florida. Chinquapin.
Planted, 1898.
- 412.—*C. sativa*, MILL. European Chestnut. South Europe, North Africa, Orient.
Syn., *C. vesca*, Gaertn.; *C. vulgaris*, Lam.
Planted, 1897. Half hardy.
C. sativa americana = *C. dentata*, Borkh.
- 413.—*C. sativa fol. albo marginatis*.
Planted, 1899.
- 414.—*C. sativa fol. aureo-maculatis*.
Planted, 1899.
- 415.—*C. sativa glabra*.
Planted, 1899.
- 416.—*C. sativa heterophylla*.
Planted, 1899.
- 417.—*C. sativa heterophylla dissecta*.
Planted, 1899.
- 418.—*C. sativa heterophylla filipendula*.
Planted, 1899.
C. vesca, Gaertn. = *C. sativa*, Mill.
C. vesca americana = *C. dentata*, Borkh.
C. vulgaris, Lam. = *C. sativa*, Mill.
C. vulgaris americana = *C. dentata*, Borkh.

CATALPA.

- 419.—**C. bignonioides**, WALT. Common Catalpa.
South United States.
Syn., *C. syringaeifolia*, Sims.
Planted, 1896. Half hardy.
- 420.—**C. bignonioides aurea**. Golden-leaved
Catalpa.
Planted, 1896. Half hardy.
- 421.—**C. bignonioides nana**. Dwarf catalpa.
Planted, 1896. Half hardy.
- 422.—**C. Bungei**, C. A. MEY. China.
Planted, 1893. Hardy.
- 423.—**C. cassinoides** ? HORT.
Planted, 1896. Hardy.
- 424.—**C. cordifolia**, JAUME. Western Kentucky
and Tennessee.
Syn., *C. speciosa*, Warder.
Planted, 1890. Half hardy. A few speci-
mens on other parts of the grounds are
hardy.
- 425.—**C. hybrida** (Tea's). Tea's Hybrid Catalpa.
Planted, 1890. Hardy.
- 426.—**C. hybrida japonica**.
Planted, 1899.
- 427.—**C. Kaempferi**, SIEB. & ZUCC. Japanese
Catalpa. Japan.
Planted, 1890. Hardy.
C. speciosa, Warder. = *C. cordifolia*, Jaume.
C. syringaeifolia, Sims. = *C. bignonioides*,
Walt.

CEANOTHUS—NEW JERSEY TEA.

- 428.—**C. americanus**, L. New Jersey Tea.
Canada. Eastern United States.
Planted, 1896. Tender. Hardy in vicinity
of Ottawa.
- 429.—**C. americanus Gloire de Plantières**.
Planted, 1899.
- 430.—**C. americanus Marie Simon**.
Syn., *C. intermedius Marie Simon*.
Planted, 1895. Tender.
- 431.—**C. Arnoldi**, HORT.
Planted, 1899.
- 432.—**C. Arnoldi Lucie Simon**.
Planted, 1899.
- 433.—**C. azureus**, DESF. Mexico.
Planted, 1896. Tender.
- 434.—**C. azureus Gloire de Versailles**.
Planted, 1895. Winter killed.
- 435.—**C. azureus grandiflorus**.
Planted, 1895. Winter killed.
- 436.—**C. Fendleri**, A. GRAY. Western North
America.
Planted, 1897. Half hardy.
- 437.—**C. — ? gloire de Vaise**.
Planted, 1899.
- 438.—**C. — ? gloire d'Orléans**.
Planted, 1899.

CEANOTHUS—NEW JERSEY TEA—Concluded.

- 439.—**C. roseus**, HORT.
Planted, 1897. Half hardy.

CEDELEA.

- 440.—**C. sinensis**, A. JUSS. China and Japan.
Planted, 1897. Tender.

CELASTRUS—SHRUBBY BITTER-SWEET.

- 441.—**C. articulatus**, THUNB. Japanese Bitter-
sweet. China and Japan.
Syns., *C. punctatus*, Thunb.; *C. orbiculatus*,
Lam.
Planted, 1891. Hardy.
C. orbiculatus, Lam. = *C. articulatus*, Thunb.
- 442.—**C. Orixia**, SIEB. & ZUCC. Japan.
Syn., *Orixia japonica*, Thunb.
Planted, 1897. Hardy.
C. punctatus, Thunb. = *C. articulatus*, Thunb.
- 443.—**C. scandens**, L. Climbing Bitter-sweet.
North America.
Planted, 1890. Hardy.

CELTIS—HACKBERRY.

- C. audibertiana*, Spach. = *C. occidentalis*, L.
- 444.—**C. australis**, L. Mediterranean region.
Planted, 1890. Half hardy.
C. cordifolia, L'Hérit. = *C. occidentalis*, L.
- 445.—**C. occidentalis**, L. Hackberry. North
America.
Syns., *C. audibertiana*, Spach; *C. cordi-*
folia, L'Hérit.
Planted, 1890. Hardy.
- 446.—**C. occidentalis pumila**. Dwarf Hack-
berry.
Planted, 1896. Hardy.
- 447.—**C. occidentalis reticulata**.
Planted, 1899.

CEPHALANTHUS—BUTTON BUSH.

- 448.—**C. occidentalis**, L. Button Bush. North
America.
Planted, 1889. Hardy.

CERCIDIPHYLLUM—KATSURA TREE.

- 449.—**C. japonicum**, SIEB. & ZUCC. Katsura
Tree. Japan.
Planted, 1894. Hardy.

CERCIS—REDBUD.

- 450.—**C. canadensis**, L. American Redbud.
North America.
Planted, 1896. Tender.
- 451.—**C. chinensis**, BUNGE. Chinese Redbud.
China and Japan.
Syn., *C. sinensis*.
Planted, 1895. Winter killed.
- 452.—**C. Siliquastrum**, L. European Redbud.
Mediterranean region.
Planted, 1897. Tender.
C. sinensis = *C. chinensis*, Bunge.

CERCOCARPUS.

- 453.—**C. parvifolius**, NUTT. California.
Planted, 1897. Hardy.
CHERRY. See PRUNUS.
CHESTNUT. See CASTANEA.

CHIMONANTHUS.

- 454.—**C. fragrans**, LINDL. China and Japan.
Syn., *Calycanthus praecox*, L.
Planted, 1895. Winter killed.
- 455.—**C. fragrans grandiflorus**.
Syn., *Calycanthus grandiflorus*.
Planted, 1895. Winter killed.

CHIOGENES—CREEPING SNOWBERRY.

- C. hispidula*, Torr. & Gray = *C. serpyllifolia*, Salisb.
- 456.—**C. serpyllifolia**, SALISB. Creeping Snowberry. North America.
Syn., *C. hispidula*, Torr. & Gray.
Planted, 1895. Hardy.

CHIONANTHUS—FRINGE-TREE.

- 457.—**C. virginica**, L. South Pennsylvania to Florida and Texas.
Planted, 1898. Half hardy. A specimen in another part of the grounds, hardy.
- CHRIST-THORN. See PALIURUS.
CINQUE-FOIL. See POTENTILLA.
CISSUS. See VITIS.

CISTUS—ROCK-ROSE.

- 458.—**C. albidus**, L. White Rock-rose. Southwest Europe.
Planted, 1895. Winter killed.
- 459.—**C. corbariensis**, POURR. South Europe.
Planted, 1895. Winter killed.

CLADRASIS—YELLOW-WOOD.

- 460.—**C. amurensis**, BUTH. Amur Yellow-wood. Amurland.
Syn., *Maackia amurensis*, Rupr.
Planted, 1899.
- 461.—**C. amurensis Bergeri**.
Planted, 1899.
- 462.—**C. tinctoria**, RAFIN. Yellow-wood. United States.
Syn., *Virgilia lutea*, Michx.
Planted, 1894. Hardy.

CLEMATIS—VIRGIN'S BOWER.

(Woody species and varieties).

NOTE.—Although the degree of hardness of the species and varieties of clematis is not always stated, those which are not marked *winter-killed* have, as a rule, made good growth, and flowered; the woody stems, however, being more or less injured each year.

CLEMATIS—VIRGIN'S BOWER—*Continued.*

- 463.—**C. alpina**, MILL. Alpine clematis. North Europe, &c.
Planted, 1899.
- 464.—**C. apiifolia**, DC. Parsley-leaved clematis. China and Japan.
Planted, 1895. Hardy.
- 465.—**C. aromatica cœrulea**.
Syn., *C. odorata cœrulea*.
Planted, 1895. Hardy.
C. balearica, Pers. = *C. cirrhosa*, L.
- 466.—**C. cirrhosa**, L. South Europe.
Syn., *C. balearica*, Pers.
Planted, 1899.
- 467.—**C. coccinea**, ENGELM. Texas.
Planted, 1899.
C. cœrulea plena = *C. patens plena*.
C. coloradensis, Buckl. = *C. Pitcheri*, Torr. & Gray.
- 468.—**C. crispa**, L. Leather-flower. Eastern United States.
Syn., *C. Viorna*, Andr.; *C. Cylindrica*, Bot.
Planted, 1895. Hardy.
C. cylindrica, Bot. = *C. crispa*, L.
C. davidiana, Verlot. = *C. heracleæfolia davidiana*
- 469.—**C. Douglasii**, Hook. Western North America.
Planted, 1899.
- 470.—**C. Flammula**, L. Sweet-scented Virgin's Bower. Europe.
Planted, 1897. Usually hardy.
- 471.—**C. Flammula robusta**.
Planted, 1899.
- 472.—**C. Flammula rubro marginata**.
Planted, 1899.
- 473.—**C. florida**, THUNB. Japan.
Planted, 1897. Winter killed.
- 474.—**C. florida flore pleno**.
Planted, 1897. Degree of hardness not ascertained.
C. graveolens, Lindl. = *C. orientalis*, L.
- 475.—**C. Hendersonii**, CHANDL. (**C. Viticella** x **C. integrifolia**).
Planted, 1895. Degree of hardness not determined.
- 476.—**C. heracleæfolia**, DC. China.
Syn., *C. tubulosa*, Turcz.
Planted, 1895. Degree of hardness not determined.
- 477.—**C. heracleæfolia davidiana**.
Syn., *C. davidiana*, Verlot.
Planted, 1895. Degree of hardness not determined.
- 478.—**C. integrifolia**, L. Europe.
Planted, 1897. Degree of hardness not determined.

CLEMATIS—VIRGIN'S BOWER—*Continued.*

- 479.—**C. integrifolia alba.**
Planted, 1897. Degree of hardiness not yet determined.
- 480.—**C. integrifolia pallida.**
Planted, 1899.
- 481.—**C. intermedia**, BONAMY (**C. integrifolia** x **C. viticella**).
Planted, 1898.
- 482.—**C. intermedia rosea**, HORT (**C. crispa** x **C. integrifolia** ?)
Planted, 1899.
- 483.—**C. ligusticifolia**, NUTT. Western Canada and United States.
Planted, 1895. Hardy.
- 484.—**C. montana**, WALL. Mountain clematis. Himalaya.
Planted, 1899.
- 485.—**C. montana grandiflora.**
Planted, 1899.
C. odorata cœrulea = *C. aromatica cœrulea*.
- 486.—**C. orientalis**, L. Oriental clematis, Orient.
Syn., *C. graveolens*, Lindl.
Planted, 1896. Hardy.
- 487.—**C. paniculata**, THUNB. Japan.
Planted, 1897. Degree of hardiness not yet determined.
- 488.—**C. patens**, MORR & DCNE. China and Japan.
Planted, 1897. Degree of hardiness not determined.
- 489.—**C. patens cœrulea.**
Syn., *C. odorata cœrulea*.
Planted, 1896. Degree of hardiness not determined.
- 490.—**C. Pitcheri**, TORR & GRAY. Colorado.
Syn., *C. coloradensis*, Buckl.
Planted, 1896. Hardy.
- 491.—**C. patens plena.**
Planted, 1896. Degree of hardiness not determined.
C. tubulosa, Turcz. = *C. heracleifolia*, DC.
- 492.—**C. verticillaris**, DC. United States. Canada.
Planted, 1895. Hardy.
- 493.—**C. virginiana**, L. Common Virgin's Bower. Canada, United States.
Planted, 1891. Hardy.
- 494.—**C. Vitalba**, L. Common Traveller's Joy. Europe.
Planted, 1892. Hardy.
C. Fiorina, Andr. = *C. crispa*, L.
- 495.—**C. Viticella**, L. Europe.
Planted, 1899.
- 496.—**C. Viticella crispa.**
Planted, 1897. Degree of hardiness not yet determined.

CLEMATIS—VIRGIN'S BOWER—*Concluded.*

- 497.—**C. Viticella kermesina.**
Planted, 1898.
- 498.—**C. Viticella modesta.**
Planted, 1897. Degree of hardiness not yet determined.
- 499.—**C. Viticella purpurea.**
Planted, 1897. Degree of hardiness not yet determined.

CLERODENDRON.

- 500.—**C. foetidum**, BUNGE. China.
Planted, 1897. Winter killed.
- 501.—**C. infortunatum**, GAERTN. Malaya.
Syn., *C. viscosum*, Vent.
Planted, 1897. Tender.
C. viscosum, Vent. = *C. infortunatum*, Gaertn.

CLETHRA—SWEET PEPPERBUSH.

- 502.—**C. acuminata**, MICHX. Virginia to Georgia.
Planted, 1895. Hardy.
- 503.—**C. alnifolia**, L. Maine to Florida.
Planted, 1894. Half hardy.
- 504.—**C. alnifolia paniculata.**
Syn., *C. paniculata*, Ait.
Planted, 1895. Hardy.
- 505.—**C. alnifolia tomentosa.**
Syn., *C. pubescens*, Willd.
Planted, 1897. Hardy.
C. barbinervis, Sieb. & Zucc. = *C. canescens*, Reinr.
- 506.—**C. canescens**, REINW. China, Japan.
Syn., *C. barbinervis*, Sieb. & Zucc.
Planted, 1895. Winter killed.
C. paniculata, Ait. = *C. alnifolia paniculata*.
C. pubescens, Willd. = *C. alnifolia tomentosa*.

CHLORANTHUS.

- 507.—**C. brachystachys**, BLUME. China, Japan.
Planted, 1899.

COCCULUS.

- 508.—**C. Thunbergii**, DC. Japan.
Planted, 1899.

COLUTEA.

- 509.—**C. arborescens**, L. Bladder Senna. Mediterranean Region.
Planted, 1896. Tender.
- 510.—**C. arborescens crispa.**
Planted, 1897. Half hardy.
- 511.—**C. cruenta**, AIT. Orient.
Syn., *C. orientalis*, Lam. ; *C. purpurea*, Hort.
Planted, 1895. Hardy.
C. frutescens, L. = *Sutherlandia frutescens*, R. Br.

COLUTEA—Concluded.

- 512.—**C. longialata**, KOEHNE. Europe.
Planted, 1899.
- 513.—**C. media**, W. (**C. arborescens** x **C. orientalis**.)
Planted, 1897. Tender.
- 514.—**C. melanocalyx**, BOISS. Asia Minor.
Planted, 1897. Winter killed. Re-planted, 1899.
C. orientalis, Lam. = *C. cruenta*, Ait.
C. purpurea, Hort. = *C. cruenta*, Ait.
COMPTONIA. See MYRICA.
CORCHORUS. See KERRIA.

CORIARIA.

- 515.—**C. myrtifolia**, L. Mediterranean Region.
Planted, 1898.
- 516.—**C. japonica**, A. GRAY. Japan.
Planted, 1897. Tender.
- CORNIDIA. See HYDRANGEA.

CORNUS—Dogwood.

- 517.—**C. alba**, L. North Asia.
Planted, 1897. Hardy.
- 518.—**C. alba fol. argenteis marginatis**.
Planted, 1897. Hardy.
- 519.—**C. alba fol. argenteis variegatis elegans**.
Planted, 1896. Hardy.
- 520.—**C. alba foliis tricoloribus**.
Planted, 1896. Hardy.
- 521.—**C. alba sibirica**. Siberian Dogwood.
Syn., *C. sibirica*, Lodd.
Planted, 1889. Hardy.
- 522.—**C. alba sibirica variegata**. Variegated Siberian Dogwood.
Planted, 1894. Hardy.
- 523.—**C. alba sibirica Spæthii**.
Planted, 1894. Hardy.
- 524.—**C. alternifolia**, L. FIL. Alternate-leaved Cornel. North America.
Planted, 1893. Hardy.
- 525.—**C. Amomum**, MILL. North America.
Syn., *C. citrina*, Hort. ; *C. sericea*, L.
Planted, 1896. Hardy.
- 526.—**C. asperifolia**, MICHX. Rough-leaved Dogwood. North America.
Planted, 1896. Hardy.
- 527.—**C. Baileyi**, COULTER & EVANS. North America.
Planted, 1899.
C. brachypoda, Fisch. & Mey. = *C. macrophylla*, Wall.
- 528.—**C. candidissima**, MARSH. North America.
Syn., *C. paniculata*, L'Herit ; *C. stricta*, Lam.
Planted, 1896. Hardy.

CORNUS—Dogwood—Continued.

- 529.—**C. circinata**, L'HERIT. Round-leaved Dogwood. North America.
Planted, 1896. Hardy.
C. citrina, Hort. = *C. Amomum*, Mill.
- 530.—**C. elegans tricolor aurea**.
Planted, 1899.
- 531.—**C. florida**, L. Flowering Dogwood. Eastern North America.
Planted, 1893. Tender.
- 532.—**C. florida flore rubro**. Red Flowering Dogwood. Tender.
- 533.—**C. florida pendula**. Pendulous Flowering Dogwood.
Planted, 1893. Winter killed.
- 534.—**C. glabrata**, DIPP.
Planted, 1896. Hardy.
- 535.—**C. Gouchaulti (touffes)**.
Planted, 1899.
- 536.—**C. Kousa**, BUERG. Japan.
Planted, 1897. Winter killed.
- 537.—**C. macrophylla**, WALL. Large-leaved Dogwood. North India to Japan.
Planted, 1897. Winter killed. Re-planted, 1899.
- 538.—**C. macrophylla variegata**. Variegated Large-leaved Dogwood.
Planted, 1897. Winter killed. Re-planted, 1899.
- 539.—**C. Mas**, L. Cornelian Cherry. Europe.
Syn., *C. mascula*, L.
Planted, 1896. Half hardy.
- 540.—**C. Mas aurea elegantissima**.
Planted, 1896. Winter killed. Re-planted, 1899.
- 541.—**C. Mas fol. argenteis marginatis**.
Planted, 1896. Winter killed, 1898. Re-planted, 1899.
- 542.—**C. Mas fol. aureis**.
Planted, 1896. Hardy.
C. mascula, L. = *C. Mas*, L.
- 543.—**C. Nuttallii**, AUDUB. Western North America.
Planted, 1896. Winter killed.
- 544.—**C. officinalis**, SIEB & ZUCC. Japan.
Planted, 1898.
C. paniculata, L'Herit = *C. candidissima*, Marsh.
- 545.—**C. pubescens**, NUTT. Western North America.
Planted, 1896. Hardy.
- 546.—**C. pumila**, HORT.
Planted, 1897. Half hardy.
- 547.—**C. sanguinea**, L. Red-branched Dogwood. Europe, North and West Asia.
Planted, 1889. Hardy.
- 548.—**C. sanguinea elegantissima**.
Planted, 1894. Hardy.

CORNUS—DOGWOOD—*Concluded.*

- 549.—**C. sanguinea fol. variegatis.**
Planted, 1896. Half hardy.
- 550.—**C. sanguinea viridissima.**
Planted, 1896. Half hardy.
C. sericea, L. = *C. Amomum*, Mill.
C. sibirica, Lodd. = *C. alba sibirica*.
- 551.—**C. stolonifera**, MICHX. Red-osier Dogwood. North America.
Planted, 1889. Hardy.
- 552.—**C. stolonifera Gouchaulti.**
Planted, 1895. Hardy.
- 553.—**C. stolonifera** (yellow bark).
Planted, 1896. Hardy.
C. stricta, Lam. = *C. candidissima*, Marsh.

CORONILLA.

- 554.—**C. Emerus**, L. Europe.
Planted, 1897. Winter killed.

CORYLOPSIS.

- 555.—**C. pauciflora**, SIEB. & ZUCC. Japan.
Planted, 1897. Tender.
- 556.—**C. spicata**, SIEB & ZUCC. Japan.
Planted, 1895. Winter killed.

CORYLUS—HAZEL-NUT, FILBERT.

- 557.—**C. americana**, WALT. Wild Hazel-nut. Eastern North America.
Syn., *C. calyculata*, Dipp.
Planted, 1897. Hardy.
- 558.—**C. americana humilis.** Dwarf Hazel-nut.
Planted, 1896. Hardy.
- 559.—**C. Avellana**, L. Common European Hazel-nut. Europe, West Asia.
Planted, 1891. Half hardy.
- 560.—**C. Avellana aurea.**
Planted, 1896. Tender.
- 561.—**C. Avellana fol. aureis marginatis.**
Planted, 1896. Tender.
- 562.—**C. Avellana grandis.**
Planted, 1890. Winter killed.
- 563.—**C. Avellana heterophylla.** Cut-leaved Filbert.
Syn., *C. Avellana laciniata*.
Planted, 1890. Half hardy. Some specimens hardy.
C. Avellana laciniata = *C. Avellana heterophylla*.
- 564.—**C. Avellana macrocarpa Aveline Anglaise.**
Planted, 1895. Winter killed.
- 565.—**C. Avellana macrocarpa Coque Tendre.**
Planted, 1895. Winter killed.
- 566.—**C. Avellana macrocarpa Fertile d'Angers.**
Planted, 1895. Winter killed.

CORYLUS—HAZEL-NUT, FILBERT—*Concluded.*

- 567.—**C. Avellana macrocarpa Merveille de B. Willer.**
Planted, 1895. Winter killed.
- 568.—**C. Avellana macrocarpa Peticule Rouge.**
Planted, 1895. Winter killed.
- 569.—**C. Avellana pendula.**
Planted, 1897. Hardy.
- 570.—**C. Avellana prolifera.**
Planted, 1890. Winter killed.
- 571.—**C. Avellana purpurea.** Purple-leaved Filbert.
Planted, 1896. Tender.
- 572.—**C. Avellana quercifolia.** Oak-leaved Filbert.
Planted, 1896. Half hardy.
- 573.—**C. Avellana spicata.**
Planted, 1896. Half hardy.
C. calyculata, Dipp. = *C. americana*, Walt.
- 574.—**C. Columna**, L. South-east Europe to Himalaya.
Planted, 1896. Tender.
- 575.—**C. maxima**, MILL. South Europe.
Planted, 1899.
- 576.—**C. maxima atropurpurea.**
Planted, 1899.
- 577.—**C. rostrata**, AIT. Beaked Hazel-nut North America.
Planted, 1897. Hardy.
- 578.—**C. rostrata californica.**
Planted, 1891. Hardy.
- 579.—**C. rostrata sieboldiana.**
Planted, 1897. Hardy.

COTONEASTER.

- 580.—**C. acuminata**, LINDL. Himalaya.
Planted, 1898.
- 581.—**C. acutifolia**, TURCZ. Mongolia.
Planted, 1890. Hardy.
- 582.—**C. acutifolia pekinensis.**
Planted, 1897. Hardy.
- 583.—**C. affinis**, LINDL. Himalaya.
Planted, 1896. Tender.
- 584.—**C. bacillaris**, WALL. Himalaya.
Planted, 1896. Hardy.
- 585.—**C. bacillaris floribunda.**
Planted, 1899.
- 586.—**C. buxifolia**, WALL. Himalaya.
Syns., *C. Hookeri*, Hort.; *C. Wheeleri*, Hort.
Planted, 1895. Winter killed. Planted, 1897. Half hardy.
C. Fontanesii, Spach. = *C. Nummularia*, Fisch & Mey.
- 587.—**C. frigida**, WALL. Himalaya.
Planted, 1896. Hardy.
C. Hookeri, Hort. = *C. buxifolia*, Wall.

COTONEASTER—Concluded.

- 588.—**C. horizontalis**, DCNE. Himalaya.
Planted, 1895. Half hardy.
- 589.—**C. integerrima**, MEDIC. Common Cotoneaster. Mountains of Europe.
Syn., *C. nigra*, Wahlb.; *C. vulgaris*, Lindl.
Planted, 1896. Half hardy.
- 590.—**C. lanata**, REGEL. Himalaya.
Planted, 1895. Winter killed.
- 591.—**C. laxiflora**, JACQ. Siberia.
Planted, 1898.
- 592.—**C. microphylla**, WALL. Small-leaved Cotoneaster. Himalaya.
Planted, 1895. Winter killed.
C. microphylla thymifolia = *C. thymifolia*, Baker.
- 593.—**C. multiflora**, BUNGE. China.
Planted, 1898.
C. nepalensis, Hort. = *C. Simonsii*, Baker.
C. nigra, Wahlb. = *C. integerrima*, Medic.
- 594.—**C. Nummularia**, FISCH & MEY. Europe, Asia.
Syn., *C. Fontanesii*, Spach.
Planted, 1896. Hardy.
C. Pyracantha, Spach. = *Crataegus Pyracantha*, Pers.
- 595.—**C. rotundifolia**, WALL. Round-leaved Cotoneaster. Himalaya.
Planted, 1898.
- 596.—**C. Simonsii**, BAKER. Himalaya.
Syn., *C. nepalensis*, Hort.
Planted, 1895. Winter killed. Planted, 1897. Tender.
- 597.—**C. thymifolia**, BAKER. Himalaya.
Syn., *C. microphylla thymifolia*.
Planted, 1896. Winter killed. Re-planted, 1898.
- 598.—**C. tomentosa**, LINDL. Alps.
Planted, 1896. Hardy.
C. vulgaris, Lindl. = *C. integerrima*, Medic.
C. Wheeleri, Hort. = *C. buxifolia*, Wall.

CRATAEGUS—HAWTHORN.

- C. arborescens*, Hort. = *C. coccinea indentata*.
C. Aria chrysophylla = *Pyrus Aria chrysophylla*.
- 599.—**C. Azarolus**, L. Orient.
Planted, 1896. Hardy.
- 600.—**C. brevispina**.
Planted, 1896. Hardy.
- 601.—**C. Carrièrei**, VAUVEL. Garden origin.
Planted, 1898.
C. celsiana, Bosc. = *C. nigra*, Waldst. & Kit.
- 602.—**C. chlorosarca**, MAXIM. Mandschuria.
Syn., *C. sanguinea Schroederi*.
Planted, 1896. Hardy.

CRATAEGUS—HAWTHORN—Continued.

- 603.—**C. coccinea**, L. Scarlet Haw. Canada, Eastern United States.
Syn., *C. rotundifolia*, Moench.
Planted, 1896. Hardy.
- 604.—**C. coccinea indentata**.
Syn., *C. arborescens*, Hort.
Planted, 1899.
- 605.—**C. coccinea macracantha**.
Syn., *C. macracantha*, Lodd.
Planted, 1896. Hardy.
- 606.—**C. coccinea maxima**.
Planted, 1899.
- 607.—**C. cordata**, AIT. Washington Haw. North America.
Syn., *C. populifolia*, Walt.
Planted, 1896. Hardy.
- 608.—**C. coronata**.
Planted, 1896. Hardy.
- 609.—**C. Crus-galli**, L. Cockspur Thorn. North America.
Planted, 1896. Hardy.
- 610.—**C. Crus-galli fontanesiana**.
Syn., *C. fontanesiana*, Steud.
Planted, 1897. Hardy.
- 611.—**C. Crus-galli linearis**.
Planted, 1896. Hardy.
- 612.—**C. Crus-galli ovalifolia**.
Planted, 1897. Hardy.
- 613.—**C. Crus-galli splendens**.
Syn., *C. prunifolia*, Pers.
Planted, 1896. Hardy.
- 614.—**C. cuneata**, SIEB. & ZUCC. Japan.
Planted, 1897. Hardy.
- 615.—**C. dahurica**, HORT.
Planted, 1896. Hardy.
C. dentata, Thuill. = *Pyrus rotundifolia*, Bechst.
- 616.—**C. dippeliana**, LANGE.
Planted, 1898.
- 617.—**C. Douglasii**, LINDL. Western Haw. Western North America.
Planted, 1896. Hardy.
- 618.—**C. Douglasii rivularis**.
Syn., *C. rivularis*, Nutt.
Planted, 1896. Hardy.
- 619.—**C. dsungarica**, HORT.
Planted, 1897. Hardy.
C. edulis, Lodd. = *Pyrus Aria flabelliformis*.
C. elliptica, Ait. = *C. flava*, Ait.
- 620.—**C. flava**, AIT. Yellow Haw. South-eastern United States.
Syn., *C. elliptica*, Ait.
Planted, 1898.
C. fontanesiana, Steud. = *C. Crus-galli fontanesiana*.

CRATAEGUS—HAWTHORN—Continued.

- 621.—**C. floribunda.**
Planted, 1896. Half hardy.
C. grandiflora, K. Koch = *Pyrus lobata*, Nichols.
- 622.—**C. Heldreichii**, Boiss. Greece.
Planted, 1896. Hardy.
- 623.—**C. hiemalis**, LANGE. Origin unknown.
Planted, 1896. Hardy.
- 624.—**C. hiemalis pubescens.**
Planted, 1899.
- 625.—**C. Korolkowii**, HORT. Central Asia.
Planted, 1895. Hardy.
- 626.—**C. lambertiana**, LGE. (**C. nigra ? x C. sanguinea**).
Planted, 1896. Hardy.
C. latifolia, Lam. = *Pyrus rotundifolia*, Bechst.
C. leucophloeos, Moench. = *C. tomentosa*, L.
C. macracantha, Lodd. = *C. coccinea macracantha*.
- 627.—**C. melanocarpa**, BIEB. Caucasus.
Planted, 1899.
- 628.—**C. mollis**, SCHEEL. United States.
Planted, 1896. Hardy.
- 629.—**C. mollis tiliifolia.**
Planted, 1897. Hardy.
- 630.—**C. nigra**, WALDST & KIT. Eastern Europe.
Planted, 1896. Hardy.
- 631.—**C. orientalis**, PALL. Orient.
Planted, 1896. Hardy.
- 632.—**C. Oxyacantha**, L. English Hawthorn.
Europe, North Africa, West Asia.
Planted, 1896. Hardy.
- 633.—**C. Oxyacantha auriculata.**
Planted, 1898.
- 634.—**C. Oxyacantha candida.**
Planted, 1894. Hardy.
- 635.—**C. Oxyacantha coccinea Pauli.**
Planted, 1894. Half hardy ; some specimens hardy.
- 636.—**C. Oxyacantha elegans.**
Planted, 1899.
- 637.—**C. Oxyacantha fastigiata.**
Planted, 1898.
- 638.—**C. Oxyacantha filicifolia.**
Planted, 1897. Hardy.
- 639.—**C. Oxyacantha flexuosa.**
Planted, 1897. Died. Re-planted, 1899.
- 640.—**C. Oxyacantha flore albo pleno.**
Planted, 1898.
- 641.—**C. Oxyacantha flore candido pleno.**
Planted, 1898.
- 642.—**C. Oxyacantha flore kermesino pleno.**
Planted, 1899.
- 643.—**C. Oxyacantha flore pleno puniceo.**
Syn., *C. Oxyacantha punicea*.
Planted, 1894. Half hardy.

CRATAEGUS—HAWTHORN—Continued.

- 644.—**C. Oxyacantha flore rubro pleno.**
Planted, 1897. Half hardy ; some specimens hardy.
- 645.—**C. Oxyacantha fol. argenteis variegatis.**
Planted, 1897. Hardy.
- 646.—**C. Oxyacantha fol. argenteis variegatis pendula.**
Planted, 1898.
- 647.—**C. Oxyacantha fol. luteis.**
Planted, 1899.
- 648.—**C. Oxyacantha fructu luteo.**
Planted, 1898.
- 649.—**C. Oxyacantha Gumperi versicolor.**
Planted, 1894. Half hardy.
- 650.—**C. Oxyacantha horrida.**
Planted, 1897. Hardy.
- 651.—**C. Oxyacantha pendula.**
Planted, 1897. Hardy.
- 652.—**C. Oxyacantha pendula flore roseo.**
Planted, 1897. Hardy.
- 653.—**C. Oxyacantha pendula ramulis aureis.**
Planted, 1897. Hardy.
C. Oxyacantha punicea = *C. Oxyacantha flore pleno puniceo*.
- 654.—**C. Oxyacantha semperflorens.**
Planted, 1897. Hardy.
- 655.—**C. Oxyacantha sibirica.**
Syn., *C. sibirica*, Lodd.
Planted, 1896. Half hardy.
- 656.—**C. Oxyacantha tricoloribus.**
Planted, 1895. Half hardy.
- 657.—**C. pectinata**, BOSC. Caucasus, Persia.
Planted, 1896. Hardy.
- 658.—**C. pentagyna**, KIT. Eastern Europe.
Planted, 1896. Hardy.
- 659.—**C. pinnatifida**, BUNGE. China.
Planted, 1896. Hardy.
C. populifolia, Walt. = *C. cordata*, Ait.
C. prunifolia, Pers = *C. Crus-galli splendens*.
- 660.—**C. punctata**, JACQ. Dotted Haw. Eastern North America.
Planted, 1896. Hardy.
- 661.—**C. punctata rubra.**
Planted, 1896. Hardy.
- 662.—**C. Pyracantha**, PERS. South Europe.
Syn., *Cotoneaster Pyracantha*, Spach.
Planted, 1896. Winter killed.
- 663.—**C. Pyracantha fructu albo.**
Planted, 1896. Tender.
- 664.—**C. Pyracantha Lalandi.**
Planted, 1896. Winter killed.
C. pyrifolia, Ait. = *C. tomentosa*, L.
C. rivularis, Nutt. = *C. Douglasii rivularis*.
C. rotundifolia, Moench. = *C. coccinea*, L.

CRATAEGUS—HAWTHORN—*Concluded.*

- 665.—**C. sanguinea**, PALL. Siberia.
Syn., *C. succulenta*, Schrad.
 Planted, 1896. Hardy.
C. sanguinea Schroederi = *C. chlorosarca*, Maxim.
C. sibirica, Lodd. = *C. Oxyacantha sibirica*.
- 666.—**C. sorbifolia**, LANGE. Origin unknown.
 Planted, 1896. Hardy.
- 667.—**C. spathulata**, MICHX. Spatulate Haw.
 Southern United States.
 Planted, 1896. Hardy.
C. succulenta, Schrad. = *C. sanguinea*, Pall.
- 668.—**C. tanacetifolia fructu albo**.
 Planted, 1896. Hardy.
- 669.—**C. tanacetifolia leeana**.
 Planted, 1896. Hardy.
- 670.—**C. tomentosa**, L. Black Haw. Canada
 and Eastern United States.
Syn., *C. pyrifolia*, Ait.; *C. leucophloeos*, Moench.
 Planted, 1896. Hardy.
C. Torminalis, L. = *Pyrus Torminalis*, DC.
- 671.—**C. trigyna**, HORT.
 Planted, 1898.
- 672.—**C. uniflora florida**.
 Planted, 1898.
- 673.—**C. Wenolandii**.
 Planted, 1896. Hardy.
 CRANBERRY. See VACCINIUM.
 CURRANT. See RUBUS.

CYTISUS—BROOM.

- 674.—**C. albus**, L. Spain and Portugal.
Syn., *Genista alba*, Lam.
 Planted, 1895. Winter killed.
C. alpinus, Mill. = *Laburnum alpinum*, J. S. Presl.
- 675.—**C. biflorus**, L'HERIT. Eastern Europe.
Syn., *C. elongatus*, Waldst & Kit; *C. ratisbonensis*, Schaeff.
 Planted, 1889. Hardy.
- 676.—**C. capitatus**, JACQ. Europe.
 Planted, 1891. Hardy.
- 677.—**C. hirsutus**, L. South Europe and Asia Minor.
 Planted, 1896. Half hardy.
C. Laburnum, L. = *Laburnum vulgare*, J. S. Presl.
- 678.—**C. nigricans**, L. Europe.
Syn., *Lembotropis nigricans*, Griseb.
 Planted, 1897. Tender.
- 679.—**C. nigricans longispicatus**.
 Planted, 1899.
- 680.—**C. proliferus albidus**.
 Planted, 1896. Winter killed.
- 681.—**C. purpureus**, Scop. Eastern Europe.
 Planted, 1896. Half hardy.

CYTISUS—BROOM—*Concluded.*

- 682.—**C. purpureus elongatus**.
 Planted, 1899.
- 683.—**C. schipkaensis**. Balkan Mountains.
 Planted, 1897. Tender.
- 684.—**C. scoparius**, LINK. Common Broom.
 Europe.
Syn., *Genista scoparia*, Lam; *Spartium scoparium*, L.
 Planted, 1896. Winter killed.
- 685.—**C. scoparius andréanus**.
Syn., *Genista andréana*, Revue Horticole; *Spartium andreanum*.
 Planted, 1897. Winter killed.
- 686.—**C. scoparius pendulus**.
 Planted, 1897. Winter killed.
- 687.—**C. sessilifolius**, L. South Europe.
Syn., *Lembotropis sessilifolius*, Griseb.
 Planted, 1897. Tender.
- 688.—**C. triflorus**, L'HERIT. Western Mediterranean Regions.
 Planted, 1896. Half hardy.

DAPHNE.

- 689.—**D. Cneorum**, L. South Europe.
 Planted, 1896. Hardy.
- 690.—**Daphne Cneorum major**.
 Planted, 1898.
- 691.—**D. Dauphini**, HORT. (*D. sericea* x *D. odora*.)
 Planted, 1896. Winter killed.
- 692.—**D. Gonkwa**, SIEB. & ZUCC. China and Japan.
 Planted, 1895. Winter killed.
- 693.—**D. Laureola**, L. Europe, North Africa, West Asia.
 Planted, 1897. Winter killed.
- 694.—**D. Mezereum**, L. Europe, Siberia.
 Planted, 1897. Hardy, where protected.
- 695.—**D. Mezereum album**.
 Planted, 1899.
- 696.—**D. Mezereum rubrum**.
 Planted, 1899.
- 697.—**D. odora**, THUNB. China and Japan.
 Planted, 1897. Tender.
- 698.—**D. odora alba**.
 Planted, 1897. Winter killed.
 DESMODIUM. See LESPEDEZA.

DEUTZIA.

- 699.—**D. crenata**, SIEB. & ZUCC. Japan.
Syn., *D. Fortunei*, Hort.
 Planted, 1894. Tender.
- 700.—**D. crenata candidissima plena**.
 Planted, 1894. Tender.
- 701.—**D. crenata flore pleno**.
 Planted, 1894. Tender.

DEUTZIA—*Concluded.*

- 702.—**D. crenata foliis albo punctatis.**
Planted, 1896. Half hardy.
- 703.—**D. crenata fol. variegatis.**
Planted, 1896. Tender.
- 704.—**D. crenata macrosepala.**
Planted, 1897. Half hardy.
- 705.—**D. crenata** Pride of Rochester.
Planted, 1894. Tender.
- 706.—**D. discolor purpurascens.**
Planted, 1894. Tender.
D. Fortunei, Hort. = D. crenata, Sieb. & Zucc.
- 707.—**D. gracilis, SIEB. & ZUCC.** Japan.
Planted, 1896. Tender.
- 708.—**D. gracilis variegata.**
Planted, 1896. Tender.
- 709.—**D. hybrida Watererii.**
Planted, 1899.
- 710.—**D. hybrida Wellsii.**
Planted, 1896. Tender.
- 711.—**D. Lemoinei, LEMN. (D. gracilis x D. parviflora.)**
Planted, 1898.
- 712.—**D. parviflora, BUNGE.** China.
Planted, 1896. Hardy.
- 713.—**D. scabra, THUNB.** China and Japan.
Planted, 1896. Tender.
- 714.—**D. sieboldiana, MAXIM.** Japan.
Planted, 1896. Hardy. Probably not correctly named.
- 715.—**D. staminea, R. BR.** Himalaya.
Planted, 1899.

DEWBERRY. See RUBUS.

DIERVILLA—WEIGELA.*D. amabilis, Carr. = D. florida, Sieb. & Zucc.*

- 716.—**D. arborea purpurata.**
Planted, 1897. Half hardy.
- 717.—**D. arborea superba.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 718.—**D. arborea versicolor.**
Planted, 1897. Hardy.
- 719.—**D.—? Augusta.**
Planted, 1897. Hardy.
D. canadensis, Willd. = D. Lonicera, Mill.
- 720.—**D. candida, HORT.**
Planted, 1891. Half hardy.
- 721.—**D.—? Elisabeth.**
Planted, 1897. Half hardy.
- 722.—**D. excelsa, HORT.**
Planted, 1897. Hardy.
- 723.—**D. florida, SIEB. & ZUCC.** China.
Syns., D. amabilis, Carr.; D. rosea, Lindl. & D. rosea Walp.
Planted, 1889. Half hardy.

DIERVILLA—WEIGELA—*Continued.*

- 724.—**D. florida alba.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 725.—**D. florida André Leroy.**
Planted, 1897. Winter killed.
- 726.—**D. florida aureo marginata.**
Planted, 1899.
- 727.—**D. florida Desboisii.**
Planted, 1889. Half hardy.
- 728.—**D. florida foliis variegatis.**
Planted, 1889. Half hardy.
- 729.—**D. florida Grœnewegenii.**
Planted, 1889. Half hardy.
- 730.—**D. florida Gustave Mallet.**
Planted, 1898.
- 731.—**D. florida multiflora.**
Planted, 1899.
- 732.—**D. florida nana foliis variegatis.**
Planted, 1896. Half hardy.
- 733.—**D. florida Sieboldii alba marginata.**
Planted, 1889. Half hardy.
- 734.—**D. florida Stelznerii.**
Planted, 1896. Tender.
- 735.—**D. florida Van Houttei.**
Planted, 1889. Tender.
- 736.—**D. florida versicolor fol. marginatis.**
Planted, 1897. Tender.
- 737.—**D. grandiflora sulphurea.**
Planted, 1897. Winter killed.
- 738.—**D. — ? Harlequin.**
Planted, 1898.
- 739.—**D. hortensis A. Carrière.**
Planted, 1896. Half hardy.
- 740.—**D. hortensis Bayard.**
Planted, 1895. Winter killed.
- 741.—**D. hortensis Béranger.**
Planted, 1897. Tender.
- 742.—**D. hortensis floribunda.**
Planted, 1895. Winter killed.
- 743.—**D. hortensis gigantiflora.**
Planted, 1895. Half hardy.
- 744.—**D. hortensis gratissima.**
Planted, 1895. Tender.
- 745.—**D. hortensis grandiflora flore albo.**
Planted, 1895. Winter killed.
- 746.—**D. hortensis Looymansii aurea.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 747.—**D. hortensis nivea.**
Planted, 1899.
- 748.—**D. hortensis venosa.**
Planted, 1889. Tender.
- 749.—**D. hybrida André Thouin.**
Planted, 1895. Half hardy.
- 750.—**D. hybrida Aug. Wilhelm.**
Planted, 1895. Tender.

DIERVILLA—WEIGELA—*Continued.*

- 751.—**D. hybrida Congo.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 752.—**D. hybrida conquête.**
Planted, 1899.
- 753.—**D. hybrida Daubenton.**
Planted, 1897. Tender.
- 754.—**D. hybrida de Jussieu.**
Planted, 1897. Tender.
- 755.—**D. hybrida Descartes.**
Planted, 1895. Tender.
- 756.—**D. hybrida Diderot.**
Planted, 1897. Tender.
- 757.—**D. hybrida Dr. Baillon.**
Planted, 1897. Tender.
- 758.—**D. hybrida Edouard André.**
Planted, 1895. Winter killed.
- 759.—**D. hybrida Emile Gallé.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 760.—**D. hybrida Eva Rathke.**
Planted, 1897. Half hardy.
- 761.—**D. hybrida Gavarni.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 762.—**D. hybrida Gloire des Bosquets.**
Planted, 1895. Tender.
- 763.—**D. hybrida Héroïne.**
Planted, 1899.
- 764.—**D. hybrida incarnata.**
Planted, 1895. Winter killed.
- 765.—**D. hybrida Jean Macé.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 766.—**D. hybrida John Standish.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 767.—**D. hybrida Juvénal.**
Planted, 1895. Winter killed.
- 768.—**D. hybrida Lacépède.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 769.—**D. hybrida Lavalley.**
Planted, 1889. Half hardy.
- 770.—**D. hybrida Lowi.**
Planted, 1897. Winter killed.
- 771.—**D. hybrida Madame Couturier.**
Planted, 1899.
- 772.—**D. hybrida Madame Teillier.**
Planted, 1897. Hardy.
- 773.—**D. hybrida Mémoire de Mme. Van Houtte.**
Planted, 1895. Half hardy.
- 774.—**D. hybrida Montesquieu.**
Planted, 1895. Winter killed. Re-planted, 1899.

DIERVILLA—WEIGELA—*Concluded.*

- 775.—**D. hybrida Othello.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 776.—**D. hybrida Pascal.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 777.—**D. hybrida P. Duchartre.**
Planted, 1898.
- 778.—**D. hybrida Pechéur fils.**
Planted, 1895. Winter killed. Re-planted, 1899.
- 779.—**D. hybrida Téniers.**
Planted, 1897. Tender.
- 780.—**D. hybrida Voltaire.**
Planted, 1897. Tender.
- 781.—**D. intermedia, HORT.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 782.—**D. japonica, DC. Japan.**
Planted, 1897. Half hardy.
- 783.—**D. Lonicera, MILL.** Canada, United States.
Syns., D. canadensis, Willd. ; D. lutea, Pursh.
Planted, 1896. Hardy.
D. lutea, Pursh. = D. Lonicera, Mill.
- 784.—**D. — ? Madame Lemoine.**
Planted, 1897. Hardy.
- 785.—**D. middendorffiana, CARR.** Siberia.
Planted, 1899.
- 786.—**D. — ? Mons. Dauvesse.**
Planted, 1897. Half hardy.
- 787.—**D. praecox.**
Planted, 1899.
D. rosea, Walp; D. rosea, Lindl. = D. florida, Sieb. & Zucc.
- 788.—**D. sessilifolia, BUCKL.** Carolina and Tennessee.
Planted, 1895. Hardy.
- 799.—**D. sessilifolia splendens.**
Planted, 1898.
D. splendens, Carr. = D. sessilifolia splendens.
D. trifida, Moench. = D. Lonicera, Mill.
- 790.—**D. Verschaaffelti, HORT.**
Planted, 1889. Half hardy.
DIMORPHANTHUS. *See* ARALIA.
- DIOSPYROS**—PERSIMMON.
- 791.—**D. Lotus, L.** European Lotus. South Europe, Temperate Asia.
Planted, 1889. Winter killed.
- 792.—**D. virginiana, L.** Common Persimmon. United States.
Planted, 1897. Tender.
DIPLOPAPPUS. *See* CASSINIA.

DIRCA—MOOSE-WOOD. LEATHERWOOD.

- 793.—**D. palustris**, L. North America.
Planted, 1896. Hardy.
DOGWOOD. See CORNUS.

ELAEAGNUS—OLIVE.

- 794.—**E. angustifolia**, L. Russian Olive.
Mediterranean region and Orient.
Syn., *E. hortensis*, Bieb.
Planted, 1890. Hardy.
- 795.—**E. angustifolia media**.
Planted, 1896. Hardy.
- 796.—**E. argentea**, PURSH. Wolf willow.
North America.
Planted, 1890. Hardy.
E. crispa, Thunb. = *E. multiflora*, Thunb.
E. edulis, Sieb. = *E. multiflora*, Thunb.
- 797.—**E. Frederici variegata**.
Planted, 1897. Half hardy.
- 798.—**E. japonica macrophylla**.
Syn., *E. umbellata macrophylla*.
Planted, 1895. Winter killed.
E. longipes, A. Gray. = *E. multiflora*,
Thunb.
- 799.—**E. macrophylla**, THUNB. China, Japan.
Planted, 1894. Hardy.
- 800.—**E. multiflora**, THUNB. China, Japan.
Syn., *E. crispa*, Thunb. ; *E. edulis*, Sieb. ;
E. longipes, A. Gray.
Planted, 1890. Winter killed.
- 801.—**E. orientalis**, L. Orient.
Planted, 1896. Hardy.
E. parvifolia, Thunb. = *E. umbellata*,
Thunb.
- 802.—**E. pungens**, THUNB. China, Japan.
Planted, 1895. Winter killed. Planted,
1897. Half hardy.
- 803.—**E. pungens argentea**.
Planted, 1895. Winter killed.
- 804.—**E. pungens aurea**.
Planted, 1895. Winter killed.
- 805.—**E. pungens Simonii tricolor**.
Planted, 1897. Winter killed.
- 806.—**E. umbellata** THUNB. Japan.
Syn., *E. japonica*, Hort. ; *E. parvifolia*,
Wall.
Planted, 1896. Hardy.
ELDER. See SAMBUCUS.
ELM. See ULMUS.

ENKIANTHUS.

- 807.—**E. campanulatus**, NICHOLS. Japan.
Planted, 1896. Hardy.
- 808.—**E. cernuus rubens**.
Planted, 1897. Half hardy.
- 809.—**E. japonicus**, HOOK. F. Japan.
Planted, 1897. Half hardy.

EPHEDRA.

- 810.—**E. distachya monostachya**.
Syn., *E. monostachya*, L.
Planted, 1896. Half hardy.
E. monostachya, Stapf. = *E. distachya*
monostachya.

ERICA—HEATH.

- 811.—**E. carnea**, L. Europe.
Syn., *E. herbacea*, L.
Planted, 1897. Half hardy.
E. herbacea, L. = *E. carnea*, L.
- 812.—**E. Tetralix**, L. Cross-leaved Heath. North
& West Europe to Russia.
Planted, 1895. Hardy.
- 813.—**E. vagans**, Cornish Heath. South-West-
ern Europe (Cornwall).
Planted, 1894. Winter killed.
- 814.—**E. vagans alba**.
Planted, 1897. Winter killed. Re-planted,
1898.
- 815.—**E. vagans capitata**.
Planted, 1898.

EUONYMUS—SPINDLE TREE.

- 816.—**E. alatus**, THUNB. Japan.
Planted, 1896. Hardy.
- 817.—**E. americanus angustifolius**.
Planted, 1897. Hardy.
- 818.—**E. americanus obovatus**.
Planted, 1894. Hardy.
- 819.—**E. americanus obovatus fol. variegatis**.
Planted, 1899.
- 820.—**E. atropurpureus**, JACQ. Burning Bush.
Eastern North America.
Planted, 1895. Hardy.
- 821.—**E. bungeanus**, MAXIM. Amur Region.
Planted, 1896. Hardy.
- 822.—**E. europaeus**, L. Common Spindle Tree.
Europe, Western Siberia.
Planted, 1890. Hardy.
- 823.—**E. europaeus fol. variegatis**.
Planted, 1897. Hardy.
- 824.—**E. europaeus fructu albo**.
Planted, 1897. Hardy.
- 825.—**E. europaeus fructu atropurpureus**.
Planted, 1897. Hardy.
- 826.—**E. europaeus fructu coccineus**.
Planted, 1897. Hardy.
- 827.—**E. europaeus ovatus**.
Planted, 1897. Hardy.
- 828.—**E. japonicus ovatus aureus**.
Planted, 1895. Winter killed.
- 829.—**E. japonicus pulchellus foliis argenteis**.
Planted, 1895. Winter killed.
- 830.—**E. latifolius**, SCOP. Europe, Asia.
Planted, 1897. Died to ground. Prob-
ably not winter killed.

EUONYMUS—SPINDLE TREE—*Concluded.*

- 831.—**E. latifolius argenteus.**
Planted, 1895. Winter killed.
- 832.—**E. linearis.**
Planted, 1894. Hardy.
- 833.—**E. Maackii**, RUPR. Amurland.
Planted, 1899.
E. macrophyllus = *E. japonicus macrophyllus*.
- 834.—**E. nanus**, MB. Caucasus.
Planted, 1890. Hardy.
- 835.—**E. nanus Koopmanni.**
Planted, 1896. Hardy.
- 836.—**E. nanus obovatus.**
Planted, 1894. Hardy.
- 837.—**E. nanus variet.**
Planted, 1896. Hardy.
- 838.—**E. radicans**, SIEB. & ZUCC. Japan.
Planted, 1898. Winter killed in nursery.
- 839.—**E. radicans fol. argenteis marginatis.**
Planted, 1897. Tender.
- 840.—**E. radicans fol. roseo-marginatis.**
Planted, 1897. Winter killed.
- 841.—**E. radicans stricta.**
Planted, 1897. Tender.
- 842.—**E. radicans variegata.**
Planted, 1897. Tender.
- 843.—**E. verrucosus**, SCOP. East Europe to Amurland.
Planted, 1896. Hardy.

EUPTELEA.

- 844.—**E. polyandra**, SIEB. & ZUCC. Japan.
Planted, 1897. Tender.

EUSCAPHIS.

- 845.—**E. staphyleoides**, SIER. & ZUCC. China and Japan.
Planted, 1897. Winter killed.

EXOCHORDA.

- 846.—**E. Alberti**, REGEL. Persia.
Planted, 1895. Winter killed. Half hardy, 1898.
- 847.—**E. grandiflora**, LINDL. China.
Planted, 1894. Winter killed. Re-planted, 1899.

FAGUS—BEECH.

- 848.—**F. ferruginea**, AIT. American Beech. North America.
Planted, 1898. Hardy.
F. ferruginea cochleata, Hort. = *F. sylvatica cochleata*.
- 849.—**F. sylvatica**, L. European Beech. Europe, Asia Minor.
Planted, 1896. Half hardy.
F. sylvatica asplenifolia = *F. sylvatica heterophylla*.

FAGUS—BEECH—*Concluded.*

- 850.—**F. sylvatica atropurpurea Brocklesby.**
Planted, 1897. Half hardy.
- 851.—**F. sylvatica atropurpurea latifolia.**
Planted, 1897. Tender.
- 852.—**F. sylvatica atropurpurea nana pendula.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 853.—**F. sylvatica atropurpurea pendula.**
Planted, 1899.
- 854.—**F. sylvatica atropurpurea pendula nova.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 855.—**F. sylvatica bornyensis.**
Planted, 1895. Half hardy.
- 856.—**F. sylvatica circinata.**
Planted, 1898.
- 857.—**F. sylvatica cochleata.**
Syn., *F. ferruginea cochleata*.
Planted, 1896. Hardy.
F. sylvatica comptoniifolia = *F. sylvatica heterophylla*.
- 858.—**F. sylvatica grandidentata.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 859.—**F. sylvatica heterophylla.**
Syn., *F. sylvatica asplenifolia*; *F. sylvatica comptoniifolia*.
Planted, 1893. Half hardy.
- 860.—**F. sylvatica latifolia.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 861.—**F. sylvatica pendula.** Weeping Beech.
Planted, 1893. Half hardy.
- 862.—**F. sylvatica purpurea.** Purple Beech.
Planted, 1893. Half hardy.
- 863.—**F. sylvatica purpurea fol. roseo marginatis.**
Planted, 1895. Half hardy. Winter killed, 1898.
- 864.—**F. sylvatica purpurea pendula Reggerloo.**
Planted, 1895. Half hardy.
- 865.—**F. sylvatica purpurea tricolor.**
Planted, 1899.
- 866.—**F. sylvatica quercoides.**
Planted, 1897. Hardy.
- 867.—**F. sylvatica remillyensis.**
Planted, 1898.
- 868.—**F. sylvatica rotundifolia minor.**
Planted, 1898.
- 869.—**F. sylvatica Zlatia.**
Planted, 1899.

FALSE INDIGO. See AMORPHA.

FATSIA.

- 870.—**F. japonica**, DCNE & PLANCH. Japan.
Syns., Aralia japonica, Thunb. ; *Aralia Sieboldii*, Sieb.
 Planted, 1895. Winter killed.
FILARIA. See PHILLYRAEA.
FILBERT. See CORYLUS.

FONTANESIA.

- 871.—**F. angustifolia**, DIPP.
 Planted, 1897. Tender.
F. californica, Hort. = *F. philliraeoides longifolia*.
 872.—**F. Fortunei**, CARR. China.
 Planted, 1896. Hardy.
 873.—**F. philliraeoides**, LABILL. Asia Minor.
 Planted, 1897. Hardy.
 874.—**F. philliraeoides longifolia**.
Syn., F. californica, Hort.
 Planted, 1896. Half hardy.

FORESTIERA.

- 875.—**F. acuminata**, POIR. Southern United States.
 Planted, 1898.

FORSYTHIA—GOLDEN BELL.

- F. Fortunei*, Hort. = *F. suspensa*, Vahl.
 876.—**F. intermedia**, ZABEL (**F. suspensa** x **F. viridissima**). Garden Origin.
 Planted, 1894. Hardy.
F. Sieboldi, Dipp. = *F. suspensa*, Vahl.
 877.—**F. suspensa**, VAHL. China.
Syn., F. Fortunei, Hort. ; *F. Sieboldi*, Dipp.
 Planted, 1890. Half hardy.
 878.—**F. viridissima**, LINDL. China.
 Planted, 1896. Half hardy.

FRAXINUS—ASH.

- F. alba*, Marsh. = *F. americana*, L.
 879.—**F. americana**, L. White Ash. North America.
Syns., F. alba, Marsh. ; *F. juglandifolia*, Lam.
 Planted, 1889. Hardy.
 880.—**F. americana acubaefolia**, HORT.
 Planted, 1893. Hardy.
F. americana epiptera = *F. americana microcarpa*.
 881.—**F. americana erythrocarpa**.
 Planted, 1889. Hardy.
 882.—**F. americana fol. argenteis marginatis**.
 Planted, 1893. Hardy.
F. americana longifolia = *F. americana microcarpa*.
 883.—**F. americana macrophylla**.
 Planted, 1896. Hardy.

FRAXINUS—ASH—Continued.

- 884.—**F. americana microcarpa**.
Syns., F. amer. epiptera ; *F. amer. longifolia* ; *F. Norae-Angliae*, Hort.
 Planted, 1896. Hardy.
 885.—**F. americana rufa**.
 Planted, 1893. Hardy.
 886.—**F. angustifolia**, VAHL. South Europe.
Syns., F. australis, J. Gay. ; *F. oxycarpa*, Willd. ; *F. tamariscifolia*, Vahl.
 Planted, 1896. Hardy.
 887.—**Fraxinus angustifolia nana**.
 Planted, 1896. Hardy.
 888.—**F. anomala**, TORR. Dwarf Ash. Utah.
 Planted, 1897. Tender.
 889.—**F. arbutifolia**, HORT.
 Planted, 1896. Hardy.
F. australis, J. Gay = *F. angustifolia*, Vahl.
 890.—**F. berlandieriana**, DC. Berlandier Ash. Southern Mexico.
 Planted, 1897. Hardy.
 891.—**F. bungeana**, DC. China and Japan.
Syn., F. pubinervis, Blume.
 Planted, 1893. Half hardy.
 892.—**F. bungeana parvifolia**.
 Planted, 1897. Hardy.
 893.—**F. caroliniana**, MILL. Water Ash. Southern United States.
Syn., F. platycarpa, Michx.
 Planted, 1897. Tender.
 894.—**F. dimorpha**, COSS & DCR. North Africa.
 Planted, 1899.
 895.—**F. dimorpha dumosa**.
 Planted, 1897. Half hardy.
 896.—**F. elonga japonica**.
 Planted, 1897. Half hardy.
 897.—**F. Elonza**, DIPP. Origin uncertain.
 Planted, 1896. Half hardy.
 898.—**F. excelsior**, L. European Ash. Europe, North Africa.
 Planted, 1890. Hardy.
 899.—**F. excelsior asplenifolia**.
 Planted, 1896. Hardy.
F. excelsior atrovirens = *F. excelsior crispa*.
 900.—**F. excelsior aurea**. Golden European Ash.
 Planted, 1896. Tender.
 901.—**F. excelsior aurea nana**. Dwarf Golden European Ash.
 Planted, 1897. Half hardy.
 902.—**F. excelsior aurea pendula**. Drooping Golden European Ash.
 Planted, 1897. Hardy.
 903.—**F. excelsior crispa**.
Syn., F. excelsior atrovirens.
 Planted, 1896. Hardy.

FRAXINUS—ASH—Continued.

- 904.—**F. excelsior concavaefolia.**
Planted, 1893. Hardy.
- 905.—**F. excelsior cucullata.**
Planted, 1893. Hardy.
- 906.—**F. excelsior elegantissima.**
Planted, 1896. Hardy.
- 907.—**F. excelsior foliis aureis.**
Planted, 1896. Half hardy.
- 908.—**F. excelsior globosa.**
Planted, 1893. Hardy.
- 909.—**F. excelsior heterophylla.**
Syn., F. excelsior monophylla.
Planted, 1893. Hardy.
- 910.—**F. excelsior heterophylla laciniata.**
Planted, 1896. Hardy.
- 911.—**F. excelsior heterophylla pendula.**
Planted, 1899.
- 912.—**F. excelsior jaspidea.**
Planted, 1896. Hardy.
- 913.—**F. excelsior lenticifolia.**
Planted, 1897. Tender.
F. excelsior monophylla = F. excelsior heterophylla.
- 914.—**F. excelsior myrtifolia.**
Syn., F. excelsior polemoniifolia.
Planted, 1893. Hardy.
- 915.—**F. excelsior oxyacanthifolia.**
Planted, 1896. Hardy.
- 916.—**F. excelsior pendula.** Weeping European Ash.
Planted, 1897. Hardy.
- 917.—**F. excelsior pendula Wentworthi.**
Planted, 1896. Hardy.
F. excelsior polemoniifolia = F. excelsior myrtifolia.
- 918.—**F. excelsior salicifolia.**
Planted, 1893. Half hardy.
- 919.—**F. excelsior scolopendriifolia.**
Planted, 1896. Tender.
- 920.—**F. excelsior spectabilis.**
Planted, 1896. Hardy.
- 921.—**F. excelsior Transoni.**
Planted, 1898.
- 922.—**F. excelsior verrucosa.**
Planted, 1896. Hardy.
- 923.—**F. excelsior verticillata.**
Syn., F. verticillata, Lodd.
Planted, 1896. Hardy.
- 924.—**F. expansa, HORT. (F. americana x F. viridis? KOEHNE).**
Planted, 1896. Half hardy.
- 925.—**F. glabra, LAWSON. (F. pennsylvanica x F. viridis? KOEHNE).**
Planted, 1896. Hardy.
F. juglandifolia, Lam. = F. americana, L.

FRAXINUS—ASH—Continued.

- 926.—**F. longicuspis, SIEB. & ZUCC.** Japan.
Planted, 1893. Half hardy.
- 927.—**F. lutea, HORT.**
Planted, 1897. Hardy.
- 928.—**F. Mariesii, HOOK.** China.
Planted, 1899.
- 929.—**F. mandshurica, Rupr.** Mandshuria to Sachalin and Japan.
Planted, 1896. Hardy.
- 930.—**F. Novae-Angliae, HORT.**
Planted, 1893. Hardy.
- 931.—**F. nigra, MARSH.** Black Ash. Canada, United States.
Syn., F. sambucifolia, Lam.
Planted, 1889. Hardy.
- 932.—**F. nigra crispa.**
Planted, 1896. Hardy.
- 933.—**F. numidica, DIPPEL.** North Africa.
Planted, 1897. Tender.
- 934.—**F. oregona foliis pulverulentis.**
Planted, 1896. Hardy.
- 935.—**F. Ornus, L.** Flowering Ash. Mediterranean region and Orient.
Planted, 1889. Tender.
F. oxycarpa, Willd. = F. angustifolia, Vahl.
- 936.—**F. parvifolia, LAM.** South Europe, Orient.
Planted, 1896. Half hardy.
- 937.—**F. parvifolia minor.**
Planted, 1897. Tender.
- 938.—**F. parvifolia monophylla.**
Planted, 1897. Hardy.
- 939.—**F. parvifolia pendula.**
Planted, 1896. Half hardy.
- 940.—**F. pennsylvanica, MARSH.** Red Ash. North America.
Syn., F. pubescens, Lam.
Planted, 1889. Hardy.
- 941.—**F. pennsylvanica lanceolata, SARGENT.** Green Ash. Canada, United States.
Syn., F. viridis, Michx.
Planted, 1889. Hardy.
F. platycarpa, Michx. = F. caroliniana, Mill.
- 942.—**F. potamophila, HERD.** Turkestan.
Planted, 1898.
F. pubescens, Lam. = F. pennsylvanica, Marsh.
- 943.—**F. pubescens aucubifolia.**
Planted, 1897. Hardy.
F. pubinervis, Blume = F. bungeana, DC.
- 944.—**F. quadrangulata, MICHX.** Blue Ash. Western Ontario, United States.
Planted, 1896. Hardy.
- 945.—**F. Regelii, DIPPEL.** Turkestan.
Planted, 1896. Hardy.

FRAXINUS—ASH—*Concluded.*

- 946.—**F. Richardi**, HORT.
Planted, 1897. Hardy.
- 947.—**F. rhynchophylla**, HANCE. China.
Planted, 1896. Tender.
- 948.—**F. rotundifolia argentea**.
Planted, 1898.
F. sambucifolia, Lam. = *F. nigra*, Marsh.
- 949.—**F. sieboldiana**, BLUME. Japan.
Planted, 1897. Tender.
- 950.—**F. sogdiana**, BUNGE. Turkestan.
Syn., *F. turkestanica*, Hort.
Planted, 1890. Hardy.
F. tamariscifolia, Vahl. = *F. angustifolia*, Vahl.
- 951.—**F. Veltheimi**, DIECK (**F. parvifolia x F. excelsior monophylla**). Garden Origin.
Planted, 1896. Half hardy.
F. verticillata, Lodd. = *F. excelsior verticillata*.
F. viridis, Michx. = *F. pennsylvanica lanceolata*.
- 952.—**F. xanthoxyloides**, WALL. Himalaya.
Planted, 1898.
FRINGE-TREE. See CHIONANTHUS.

GAULTHERIA—AROMATIC WINTERGREEN.

- 953.—**G. Shallon**, PURSH. Salal. Western North America.
Planted, 1895. Winter killed. Re-planted, 1899.

GAYLUSSACIA—HUCKLEBERRY.

- 954.—**G. frondosa**, TORR & GRAY. Dangleberry. Eastern United States.
Planted, 1897. Hardy.
- 955.—**G. resinosa**, TORR & GRAY. Black Huckleberry. North America.
Planted, 1896. Hardy.

GENISTA—GREEN-WEED.

- G. alba*, Lam. = *Cytisus albus*, L.
G. andréana, Revue Horticole = *Cytisus scoparius andréanus*.
- 956.—**G. germanica**, L. Europe.
Planted, 1898.
G. juncea, Lam. = *Spartium junceum*, L.
G. ovata, Hort. = *G. tinctoria elatior*.
- 957.—**G. sagittalis**, L. Europe.
Planted, 1899.
G. sibirica, Rehb. = *G. sagittalis*, L.
G. scoparia, Lam. = *Cytisus scoparius*, Link.
- 958.—**G. tinctoria**, L. Dyer's Green-weed. Europe.
Planted, 1894. Tender.
- 959.—**G. tinctoria elatior**.
Syn., *G. ovata*, Hort.
Planted, 1894. Tender.

GENISTA—GREEN-WEED—*Concluded.*

- 960.—**G. tinctoria flore pleno**.
Planted, 1895. Tender.
- 961.—**G. tinctoria latifolia**.
Planted, 1898.
- 962.—**G. tinctoria sibirica**.
Planted, 1896. Tender.
- GLEDITSCHIA**—HONEY LOCUST.
G. Bujoti pendula = *G. triacanthos pendulus*
- 963.—**G. caspica**, DESF. Region of Caspian Sea.
Planted, 1898.
- 964.—**G. excelsa pendula**.
Planted, 1897. Hardy.
G. ferox, Desf. = *G. sinensis*, Lam.
G. inermis = *G. triacanthos inermis*.
- 965.—**G. japonica**, MIQ. Japan.
Planted, 1899.
- 966.—**G. longispina**, HORT.
Planted, 1896. Half hardy.
- 967.—**G. macracantha**, DESF. China?
Planted, 1896. Winter killed. Re-planted, 1899.
- 968.—**G. monosperma**, WALT. South United States.
Planted, 1896. Half hardy.
- 969.—**G. sinensis**, LAM. China.
Syn., *G. ferox*, Desf.
Planted, 1896. Hardy.
- 970.—**G. sinensis nana**.
Planted, 1898.
- 971.—**G. sinensis nana inermis**.
Planted, 1896. Half hardy.
- 972.—**G. triacanthos**, L. Honey Locust. Western Ontario, Eastern United States.
Planted, 1898. Half hardy; hardy on other parts of the grounds.
- 973.—**G. triacanthos Bujoti pendula**.
Syn., *G. Bujoti pendula*.
Planted, 1896. Half hardy.
- 974.—**G. triacanthos inermis**.
Syn., *G. inermis*.
Planted, 1896. Half hardy.
- 975.—**G. triacanthos microsperma**.
Planted, 1898.
- GLYCINE. See WISTARIA.
GOLDEN BELL. See FORSYTHIA.
GOOSEBERRY. See RIBES.
- GORDONIA**—LOBLOLLY BAY.
G. Altamaha, Sargent = *G. pubescens* L'Herit.
- 976.—**G. pubescens**, L'HERIT. South United States.
Syn., *G. Altamaha*, Sargent.
Planted, 1896. Winter killed.
- GREEN-WEED. See GENISTA.
GROUNDSEL-TREE. See BACCHARIS.
GUM, SOUR. See NYSSA.

GYMNOCLADUS—KENTUCKY COFFEE TREE.

- 977.—*Gymnocladus canadensis*, LAM. North America.
Planted, 1890. Hardy.
HACKBERRY. See CELTIS.

HALESIA—SILVER-BELL TREE.

- 978.—*H. corymbosa*, NICHOLS. Japan.
Syn., *Pterostyrax corymbosum*, Sieb. & Zucc.
Planted, 1899.
- 979.—*H. hispida*, MAST. China and Japan.
Syn., *Pterostyrax hispidum*, Sieb. & Zucc.
Planted, 1896. Tender.
- 980.—*H. tetraptera*, L. Silver-bell Tree. West Virginia and Illinois to Florida.
Planted, 1897. Hardy.

HALIMODENDRON.

- 981.—*H. argenteum*, DC. Siberia.
Planted, 1896. Hardy.
- 982.—*H. argenteum flore purpureo*.
Planted, 1896. Hardy.

HAMAMELIS—WITCH HAZEL.

- 983.—*H. japonica*, SIEB. & ZUCC. Japan Witch Hazel, Japan.
Planted, 1895. Hardy.
- 984.—*H. virginica*, L. Witch Hazel. Eastern North America.
Planted, 1894. Hardy.
HAWTHORN. See CRATAEGUS.
HAZEL NUT. See CORYLUS.
HEATH. See ERICA.
HEATHER. See CALLUNA.

HEDERA—Ivy.

- 985.—*H. Helix*, L. Common Ivy. Europe, Northern Africa, Northern Asia.
Planted, 1897. Hardy when well protected.
- 986.—*H. Helix arborea elegantissima*.
Planted, 1895. Winter killed.
- 987.—*H. Helix dentata*.
Planted, 1895. Winter killed.
- 988.—*H. Helix digitata aurea*.
Planted, 1895. Winter killed.
- 989.—*H. Helix canariensis*.
Syn., *H. hibernica*.
Planted, 1895. Winter killed.
- 990.—*H. Helix canariensis marginata*.
Planted, 1895. Winter killed.
- 991.—*H. Helix canariensis marginata alba*.
Planted, 1895. Winter killed.
- 992.—*H. Helix latifolia variegata*.
Planted, 1895. Winter killed.
- 993.—*H. Helix maculata major*.
Planted, 1895. Winter killed.
- 994.—*H. Helix reticulata aurea*.
Planted, 1895. Winter killed.

HEDERA—Ivy—Concluded.

- 995.—*H. Helix rhomboidea arborea variegata*.
Planted, 1895. Winter killed.
- 996.—*H. Helix rhomboidea obovata*.
Planted, 1895. Winter killed.
- 997.—*H. Helix roegneriana*.
Planted, 1895. Winter killed.
- 998.—*H. Helix variegata*.
Planted, 1895. Winter killed.
H. hibernica = *H. Helix canariensis*.

HEDYSARUM.

- 999.—*H. multijugum*, MAXIM. Southern Mongolia.
Planted, 1897. Hardy.

HELIANTHEMUM—ROCK-ROSE.

- 1000.—*H. vulgare flore albo pleno*.
Planted, 1897. Hardy.
- 1001.—*H. vulgare luteo pleno*.
Planted, 1897. Hardy.

HELWINGIA.

- 1002.—*H. rusciflora*, WILLD. Japan.
Planted, 1897. Tender.
HICORY. See CARYA.

HIPPOPHAE—SEA BUCKTHORN.

- 1003.—*H. rhamnoides*, L. Common Sea Buckthorn. Europe, Temperate Asia.
Planted, 1894. Hardy.
HOLLY. See ILEX.
- 1004.—*H. salicifolia*, D. DON. Himalaya.
Planted, 1896. Hardy.
HONEY LOCUST. See GLEDITSCHIA.
HONEYSUCKLE. See LONICERA.
HOP HORNBEAM. See Ostrya.
HOP TREE, THREE-LEAVED. See PTELEA.
HORNBEAM. See CARPINUS.
HORSE CHESTNUT. See AEscULUS.
HORTENSIA. See HYDRANGEA.

HOVENIA.

- 1005.—*H. dulcis*, THUNB. Himalaya, China.
Planted, 1897. Winter killed.
HUCKLEBERRY. See GAYLUSSACIA AND VACCINIUM.

HYDRANGEA.

- 1006.—*H. arborescens*, L. Eastern United States.
Planted, 1894. Tender.
- 1007.—*H. arborescens cordata*.
Planted, 1899.
- 1008.—*H. arborescens glauca*.
Planted, 1896. Tender.
- 1009.—*H. arborescens laevigata*.
Planted, 1896. Tender.

HYDRANGEA—Continued.

- 1010.—**H. arborescens urticifolia.**
Planted, 1896. Tender.
- 1011.—**H. Hortensia acuminata.**
Syn., *H. japonica acuminata.*
Planted, 1897. Winter killed.
- 1012.—**H. Hortensia coerulescens.**
Planted, 1897. Tender.
- 1013.—**H. Hortensia Madame von Siebold.**
Syn., *H. japonica Madame von Siebold.*
Planted, 1895. Winter killed.
- 1014.—**H. Hortensia japonica alba.**
Planted, 1897. Tender.
- 1015.—**H. Hortensia Lindleyi stellata rubra.**
Syn., *H. Lindleyi stellata rubra.*
Planted, 1897. Tender.
- 1016.—**H. Hortensia nigra.**
Syn., *H. mandschurica, Hort.*
Planted, 1896. Winter killed.
- 1017.—**H. Hortensia variegata.**
Syn., *Hortensia variegata.*
Planted, 1895. Winter killed.
- 1018.—**H. involucrata, SIEB. & ZUCC.** Japan.
Planted, 1895. Winter-killed.
H. japonica acuminata = *H. Hortensia acuminata.*
H. japonica Madame von Siebold = *H. Hortensia Madame von Siebold.*
H. Lindleyi stellata rubra = *H. Hortensia Lindleyi stellata rubra.*
- 1019.—**H. paniculata, SIEB. & ZUCC.** Japan.
Planted, 1896. Hardy.
H. paniculata grandiflora = *H. paniculata hortensis.*
- 1020.—**H. paniculata hortensis.**
Syn., *H. paniculata grandiflora.*
Planted, 1896. Hardy.
- 1021.—**Hydrangea pekinensis.**
Planted, 1899.
- 1022.—**H. petiolaris, SIEB. & ZUCC.** Japan.
Planted, 1897. Half hardy.
- 1023.—**H. quercifolia, BARTR.** Oak-leaved Hydrangea. Southern United States.
Planted, 1894. Winter killed. Re-planted, 1898.
- 1024.—**H. radiata, WALT.** South-eastern United States.
Planted, 1895. Tender.
- 1025.—**H. radiata canescens.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 1026.—**H. scandens, POEPP.** Chili.
Syn., *Cornidia integerrima, Hook & Arn.*
Planted, 1895. Winter killed. Re-planted, 1899.
- 1027.—**H. Thunbergii, SIEB.** Japan.
Planted, 1897. Tender.

HYDRANGEA—Concluded.

- 1028.—**H. vestita pubescens.**
Planted, 1896. Half hardy.
- 1029.—**H. virens.**
Planted, 1897. Tender.
- HYPERICUM**—ST. JOHN'S WORT.
- 1030.—**H. Androsaemum, L.** Europe.
Planted, 1897. Winter killed.
- 1031.—**H. Ascyron, L.** Northern Asia, North America.
Planted, 1896. Tender.
- 1032.—**H. aureum, BARTR.** South United States.
Planted, 1895. Winter killed. Re-planted, 1899.
- 1033.—**H. calycinum, L.** Orient.
Planted, 1899.
- 1034.—**H. chinense, L.** China and Japan.
Planted, 1897. Winter killed.
- 1035.—**H. densiflorum, PURSH.** North America.
Syn., *H. galioides, Pursh.*
Planted, 1899.
- 1036.—**H. elatum, ART.** North America.
Planted, 1899.
H. galioides, Pursh. = *H. densiflorum, Pursh.*
- 1037.—**H. hircinum, L.** Europe.
Planted, 1898.
- 1038.—**H. hircinum fol. variegatis.**
Planted, 1897. Tender.
- 1039.—**H. inodorum, JACQ.** Orient.
Planted, 1898.
- 1040.—**H. kalmianum, L.** Ontario, United States.
Planted, 1895. Hardy.
- 1041.—**H. moserianum, REV. HORT.** (*H. calycinum* x *H. patulum*).
Planted, 1897. Tender.
- 1042.—**H. moserianum tricolor.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 1043.—**H. patulum, THUNB.** India, China.
Planted, 1897. Winter killed. Re-planted, 1899.
- 1044.—**H. prolificum, L.** North America.
Planted, 1899.
- IDESIA.**
- 1045.—**I. polycarpa, MAXIM.** China and Japan.
Planted, 1895. Winter killed.
- ILEX**—HOLLY.
- 1046.—**I. crenata, THUNB.** Japan.
Planted, 1897. Tender.
- 1047.—**I. glabra, GRAY.** Inkberry. Eastern United States.
Planted, 1894. Hardy.
- 1048.—**I. monticola, A. GRAY.** Large-leaved Holly. North America.
Planted, 1897. Hardy.

ILEX—HOLLY—Concluded.

- 1049.—**I. opaca**, ART. American Holly. Eastern United States.
Planted, 1897. Tender.
- 1050.—**I. rugosa**, F. SCHMIDT. Sachalin Island.
Planted, 1897. Hardy.
- 1051.—**I. Sieboldi**, MIQ. Japan.
Planted, 1896. Half hardy.
- 1052.—**I. verticillata**, GRAY. Black Alder. North America.
Planted, 1894. Hardy.
- INDIGO, FALSE. See AMORPHA.

INDIGOFERA.

- I. Dsoua*, Bot. = *I. gerardiana*, Wall, Himalaya.
- 1053.—**I. gerardiana**, WALL. Himalaya.
Syn., *I. Dsoua*, Bot.
Planted, 1897. Winter killed. Re-planted, 1899.
- IRON-WOOD. See OSTRYA.

ITEA.

- 1054.—**I. virginica**, L. Eastern United States.
Planted, 1897. Tender.
- IVY. See HEDERA.
- IVY. See VITIS.

JAMESIA.

- 1055.—**J. americana**, TORR & GRAY. Rocky Mountains.
Planted, 1896. Hardy.

JASMINUM.

- 1056.—**J. nudiflorum**, LINDL. China and Japan.
Planted, 1895. Winter killed.
- 1057.—**J. nudiflorum foliis aureis**.
Planted, 1895. Winter killed.
- 1058.—**J. officinale**, L. Persia and North-western India.
Planted, 1895. Winter killed.

JUGLANS—WALNUT.

- 1059.—**J. cinerea**, L. Butternut. North America.
Planted, 1889. Hardy.
- 1060.—**J. cordiformis**, MAXIM. Japan.
Planted, 1897. Tender.
- 1061.—**J. mandschurica**, MAXIM. Amurland.
Planted, 1897. Tender.
- 1062.—**J. mandschurica alanthifolia**.
Planted, 1897. Half hardy.
- 1063.—**J. nigra**, L. Black Walnut. North America.
Planted, 1889. Hardy.
- 1064.—**J. regia**, L. English Walnut. Caucasus and Armenia to Himalaya.
Planted, 1897. Tender.
- 1065.—**J. regia laciniata**.
Planted, 1897. Tender.

JUGLANS—WALNUT—Concluded.

- 1066.—**J. regia praeparturiens**.
Planted, 1897. Tender.
- 1067.—**J. regia racemosa**.
Planted, 1897. Half hardy.
- 1068.—**J. regia serotina**.
Planted, 1897. Tender.
- 1069.—**J. rupestris**, ENGELM. Western United States.
Planted, 1899.
- 1070.—**J. sieboldiana**, MAXIM. Japanese Walnut. Japan.
Planted, 1889. Hardy.
- 1071.—**J. vilmoriniana**, CARR. (? *J. nigra* x *J. regia*). Garden origin.
Planted, 1897. Hardy.
- JUNEBERRY. See AMELANCHIER.

KALMIA—AMERICAN LAUREL.

- 1072.—**K. angustifolia**, L. North America.
Planted, 1896. Hardy.
- 1073.—**K. latifolia**, L. North America.
Planted, 1897. Hardy where protected.

KERRIA.

- 1074.—**K. japonica**, DC. China.
Syn., *Corchorus japonicus*, Thunb.
Planted, 1894. Tender.
- 1075.—**K. japonica flore pleno**.
Planted, 1898.
- 1076.—**K. japonica foliis variegatis**.
Planted, 1896. Winter killed. Re-planted, 1899.
- 1077.—**K. japonica ramulis aureo-vittatis**.
Planted, 1899.

KOLREUTERIA.

- 1078.—**K. bipinnata**, FRANCHET. China.
Planted, 1897. Winter killed.
- 1079.—**K. paniculata**, LAXM. China.
Planted, 1897. Half hardy.
- LABRADOR TEA. See LEDUM.

LABURNUM.

- 1080.—**L. Adami**, LAVALL. (*L. vulgare* x *Cytisus purpureus*).
Planted, 1897. Winter killed. Re-planted, 1899.
- 1081.—**L. alpinum**, J. S. PRESL. Europe.
Planted, 1899.
- 1082.—**L. alpinum aureum**.
Syn., *Cytisus alpinus*, Mill.
Planted, 1899.
- 1083.—**L. alpinum lucidum**.
Planted, 1896. Half hardy.
- 1084.—**L. alpinum Watereri**.
Planted, 1896. Hardy.

LABURNUM—Concluded,

- 1085.—**L. linneanum** x **L. v. jacquinianum**.
Planted, 1898.
L. ramentaceum, C. Koch=*Petteria ramentacea*, Presl.
- 1086.—**L. vulgare**, J. S. PRESL. Europe.
Syn., *Cytisus Laburnum*, L.
Planted, 1897. Tender.
- 1087.—**L. vulgare chrysophyllum**.
Planted, 1897. Half hardy.
- 1088.—**L. vulgare intermedium**.
Planted, 1897. Half hardy.
- 1089.—**L. vulgare jacquinianum**.
Planted, 1897. Winter killed.
- 1090.—**L. vulgare Parksi** (**L. alpinum** x **L. vulgare**).
Planted, 1897. Half hardy.
- 1091.—**L. vulgare ramentaceum**.
Planted, 1897. Half hardy.
LAUREL. See LAURUS.
LAUREL, AMERICAN. See KALMIA.
LAURESTINUS. See VIBURNUM.

LAURUS—LAUREL.

- 1092.—**L. camelliaefolia**.
Planted, 1895. Winter killed.
- 1093.—**L. caucasica**.
Planted, 1895. Winter killed.
- 1094.—**L. caucasica angustifolia**.
Planted, 1895. Winter killed.
- 1095.—**L. colchica**.
Planted, 1895. Winter killed.
- 1096.—**L. latifolia**, BERTIN.
Planted, 1895. Winter killed.
- 1097.—**L. laurocerasus**.
Planted, 1895. Winter killed.
- 1098.—**L. lusitanica**.
Planted, 1895. Winter killed.
- 1099.—**L. nobilis**, L. Mediterranean region.
Planted, 1895. Winter killed.
- 1100.—**L. rotundifolia**.
Planted, 1895. Winter killed.
LEATHERWOOD. See DIRCA.

LEDUM—LABRADOR TEA.

- 1101.—**L. glandulosum**, NUTT. California, British Columbia, and Northern Rocky Mountains.
Planted, 1896. Winter killed.
- 1102.—**L. latifolium**, AIT. North America.
Planted, 1899.
LEMBOTROPIS. See CYTISUS.

LESPEDEZA.

- 1103.—**L. bicolor**, TURCZ. China and Japan.
Planted, 1896. Tender.
- 1104.—**L. bicolor intermedia**.
Planted, 1896. Tender.

LESPEDEZA—Concluded.

- 1105.—**L. cyrtobotrya**, MIQ. Japan.
Planted, 1899.
- 1106.—**L. Sieboldi**, MIQ. North China and Japan.
Syn., *Desmodium japonicum*, Hort. ; *D. penduliflorum*, Oudem.
Planted, 1897. Tender.

LEUCOTHOE.

- 1107.—**L. racemosa**, A. GRAY. North America.
Planted, 1896. Tender.

LEYCESTERIA.

- 1108.—**L. formosa**, WALL. Temperate Himalaya.
Planted, 1899.

LIGUSTRUM—PRIVET.

- 1109.—**L. amurense**, CARR. Amur Privet. Amur region.
Planted, 1895. Hardy.
- 1110.—**L. atrovirens**, HORT.
Planted, 1897. Half hardy.
L. brachystachium, Decne. = *L. Quihoui*, Carr.
L. californicum, Hort. = *L. ovalifolium*, Hassk.
- 1111.—**L. coriaceum**, CARR. China.
Planted, 1895. Winter killed.
- 1112.—**L. Ibota**, SIEB. China, Japan and Sachalin.
Syn., *L. obtusifolium*, Sieb. & Zucc. ; *L. regelianum*, Hort.
Planted, 1895. Hardy.
- 1113.—**L. Ibota ciliatum**.
Planted, 1897. Hardy.
- 1114.—**L. japonicum**, THUNB. China, Japan.
Planted, 1895. Winter killed.
- 1115.—**L. japonicum longifolium**.
Planted, 1895. Winter killed.
- 1116.—**L. japonicum macrophyllum**.
Planted, 1895. Winter killed.
- 1117.—**L. japonicum tricolor**.
Planted, 1895. Winter killed.
- 1118.—**L. lucidum**, AIT. China.
Planted, 1896. Half hardy.
- 1119.—**L. medium**, FRANCH. & SAV. Japan.
Planted, 1896. Half hardy.
L. obtusifolium, Sieb. & Zucc. = *L. Ibota*, Sieb.
- 1120.—**L. ovalifolium**, HASSK. California Privet. Japan.
Syn., *L. californicum*, Hort.
Planted, 1896. Tender.
- 1121.—**L. ovalifolium fol. aureis variegatis**.
Planted, 1897. Tender.
- 1122.—**L. Pallasi**.
Planted, 1893. Hardy.

LIGUSTRUM—PRIVET—*Concluded.*

- 1123.—**L. Quihoui**, CARR. China.
Syn., *L. brachystachium*, Decne.
Planted, 1896. Hardy.
L. regelianum, Hort. = *L. Ibota*, Sieb.
- 1124.—**L. sinense**, LOUR. China.
Syn., *L. Stauntoni*, DC.
Planted, 1897. Half hardy.
- 1125.—**L. vulgare**, L. Common Privet. Europe,
North Africa.
Planted, 1891. Half hardy.
- 1126.—**L. vulgare fol. albo-punctatis**.
Planted, 1897. Hardy.
- 1127.—**L. vulgare fol. aureis variegatis**.
Planted, 1896. Half hardy.
- 1128.—**L. vulgare foliosum**.
Planted, 1897. Hardy.
- 1129.—**L. vulgare glaucum fol. albo margin-
atis**.
Planted, 1897. Hardy.
- 1130.—**L. vulgare glaucum marginatum**.
Planted, 1897. Half hardy.
- 1131.—**L. vulgare fructu luteo**.
Planted, 1897. Hardy.
- 1132.—**L. vulgare italicum**.
Planted, 1897. Hardy.
- 1133.—**L. vulgare latifolium fol. aureo-macu-
latis**.
Planted, 1897. Hardy.
- 1134.—**L. vulgare pendulum**.
Planted, 1895. Half hardy.
- 1135.—**L. vulgare pyramidale**.
Planted, 1897. Hardy.
LILAC. See SYRINGA.
LIMONIA. See ÆGLE.
LINDEN. See TILIA.

LINDERA—WILD ALLSPICE.

- 1136.—**L. Benzoin**, BLUME. Spice bush. Canada,
(common in Western Ontario), United
States.
Planted, 1894. Winter killed. Re-planted,
1899.

LIQUIDAMBAR.

- 1137.—**L. styraciflua**, L. United States.
Planted, 1893. Winter killed.

LIRIODENDRON—TULIP TREE.

- 1138.—**L. tulipifera**, L. Western Ontario,
United States.
Planted, 1896. Tender.
- 1139.—**L. tulipifera integrifolia**.
Planted, 1897. Tender.
- 1140.—**L. tulipifera variegata**.
Planted, 1895. Winter killed.
LOCUST TREE. See ROBINIA.

LONICERA—HONEYSUCKLE.

- 1141.—**L. Alberti**, REGEL. Albert Regel's Honey-
suckle. Eastern Turkestan, Siberia.
Planted, 1894. Hardy.
L. americana, C. Koch = *L. Caprifolium*, L.
- 1142.—**L. bella**, ZABEL. (**L. Morrowi** x **L.
tatarica**) var. **albida**.
Planted, 1896. Hardy.
- 1143.—**L. bella atroflorea**.
Planted, 1896. Hardy.
- 1144.—**L. bella candida**.
Planted, 1896. Hardy.
- 1145.—**L. bella incarnata**.
Planted, 1896. Hardy.
- 1146.—**L. bella rosea**.
Planted, 1896. Hardy.
L. brachypoda, DC. = *L. japonica flexuosa*.
- 1147.—**L. caerulea**, L. Mountain Fly-Honey-
suckle. Northern hemisphere.
Planted, 1899.
- 1148.—**L. caerulea graciliflora**.
Planted, 1899.
- 1149.—**L. caerulea Kirilowi**.
Planted, 1896. Hardy.
- 1150.—**L. caerulea praecox**.
Planted, 1896. Hardy.
- 1151.—**L. caerulescens**, DIPPEL. Origin uncer-
tain.
Planted, 1896. Hardy.
- 1152.—**L. caerulescens grandiflora**.
Planted, 1898.
- 1153.—**L. Caprifolium**, L. Italian Honeysuckle.
Central and S. Europe, W. Asia.
Syn., *L. americana*, C. Koch; *L. grata*,
Ait.
Planted, 1898.
- 1154.—**L. Caprifolium praecox**.
Planted, 1896. Hardy.
- 1155.—**L. Caprifolium quercifolia fol. varie-
gatis**.
Planted, 1896. Hardy.
- 1156.—**L. chrysantha**, TURCZ. Amurland.
Planted, 1890. Hardy.
- 1157.—**L. ciliata**, MUHLB. Fly-Honeysuckle.
Canada, Eastern United States.
Planted, 1898. Hardy.
L. coccinea, Pers. = *L. sempervirens*, Ait.
- 1158.—**L. depressa**, ROYLE. Alpine Himalaya.
Syn., *L. parvifolia*, Edger.
Planted, 1896. Hardy.
L. discolor, Hort. = *L. orientalis*, Lam.
L. diversifolia, Wall. = *L. quinquelocularis*,
Hardw.
L. Douglasii, Hort. = *L. hirsuta*, Eaton.
- 1159.—**L. etrusca**, SANTI. South Europe.
Syn., *L. gigantea*, Hort.
Planted, 1899.

LONICERA—HONEYSUCKLE—Continued.

- 1160.—**L. etrusca superba.**
Planted, 1899.
- 1161.—**L. flava**, SIMS. Yellow-flowered Climbing Honeysuckle. South Carolina.
Syn., *L. Fraseri*, POIT.
Planted, 1894. Hardy.
- 1162.—**L. flava nova.**
Planted, 1895. Tender.
- 1163.—**L. flavescens**, DIPPEL. British Columbia.
Planted, 1895. Hardy.
- 1164.—**L. fragrantissima**, LINDL. & PAXT. Fragrant Bush Honeysuckle. China.
Planted, 1899.
L. Fraseri, POIT. = *L. flava*, SIMS.
L. fuchsoides, HORT. = *L. sempervirens fuchsoides*.
L. germanica, F. G. DIETR. = *L. Periclymenum*, L.
L. gigantea, HORT. = *L. etrusca*, SANTI.
- 1165.—**L. glauca**, HILL. Glaucus-leaved Climbing Honeysuckle. United States.
Syn., *L. media*, MURR.
Planted, 1899.
- 1166.—**L. glauca prolifica.**
Planted, 1896. Hardy.
- 1167.—**L. gracilipes**, MIQ. Japan.
Planted, 1897. Hardy.
L. grata, AIT. = *L. Caprifolium*, L.
L. halliana, HORT. = *L. japonica halliana*.
- 1168.—**L. hirsuta**, EATON. Hairy Honeysuckle. Canada, United States.
Planted, 1896. Hardy.
- 1169.—**L. hispida**, PALL. Central Asia, Siberia.
Planted, 1896. Hardy.
- 1170.—**L. iberica**, BIER. Caucasus.
Planted, 1896. Hardy.
- 1171.—**L. involucrata**, BANKS. N. W. America.
Syn., *L. Ledebourii*, ESCHSCH.
Planted, 1896. Hardy.
- 1172.—**L. japonica**, THUNB. Japanese Climbing Honeysuckle. China and Japan.
Planted, 1894. Hardy. This is probably not correctly named as grown here.
- 1173.—**L. japonica aureo-reticulata.**
Planted, 1896. Winter killed. Re-planted, 1898.
- 1174.—**L. japonica flexuosa.**
Syn., *L. brachypoda*, DC.
Planted, 1897. Tender.
- 1175.—**L. japonica halliana.**
Syns., *L. halliana*, HORT.; *L. japonica Hallii*.
Planted, 1897. Winter killed.
- 1176.—**L. Karelinae**, BUNGE. Central Asia.
Planted, 1895. Hardy.
L. Ledebourii, ESCHSCH. — *L. involucrata*, BANKS.

LONICERA—HONEYSUCKLE—Continued.

- 1177.—**L. lenta.**
Planted, 1896. Hardy.
- 1178.—**L. Maackii**, HERD. Mandshuria.
Planted, 1896. Hardy.
- 1179.—**L. Maximowiczii**, MAXIM. Amurland.
Planted, 1895. Hardy.
L. media, MURR. = *L. glauca*, HILL.
- 1180.—**L. micrantha**, TRAUTV. Turkestan.
Planted, 1896. Hardy.
- 1181.—**L. minutiflora**, ZABEL. (*L. micrantha* x *L. Morrowi*).
Planted, 1896. Hardy.
- 1182.—**L. Morrowi**, A. GRAY. Japan.
Planted, 1895. Hardy.
- 1183.—**L. mundeniensis**, REHDER. (*L. bella* x *L. gibbiflora*).
Planted, 1896. Hardy.
L. Myrtillos, Hook. f. Thoms. = *L. depressa Myrtillos*.
L. nana = *L. tatarica nana*.
- 1184.—**L. notha alba.**
Planted, 1896. Hardy.
- 1185.—**L. notha carnea.**
Planted, 1896. Hardy.
- 1186.—**L. notha carneo-rosea.**
Planted, 1896. Hardy.
- 1187.—**L. notha gilva.**
Planted, 1896. Hardy.
- 1188.—**L. notha grandiflora.**
Planted, 1896. Hardy.
- 1189.—**L. nummulariifolia**, JAUB. & SPACH.
Planted, 1897. Winter killed. Re-planted, 1899.
- 1190.—**L. oblongifolia**, HOOK. North America.
Planted, 1890. Hardy.
L. occidentalis plantierensis = *L. sempervirens plantierensis*.
- 1191.—**L. orientalis**, LAM. Orient.
Syn., *L. discolor*, HORT.
Planted, 1896. Hardy.
- 1192.—**L. orientalis f. ex China**, DIPP.
Planted, 1897. Hardy.
- 1193.—**L. orientalis f. ex India**, DIPP.
Planted, 1898.
- 1194.—**L. orientalis kamtschatica.**
Planted, 1896. Hardy.
- 1195.—**L. orientalis Louis Leroy.**
Planted, 1895. Hardy.
L. parvifolia, EDJEW. = *L. depressa*, ROYLE.
- 1196.—**L. Periclymenum**, L. SYME. Wood-bine. English Honeysuckle. Europe.
Planted, 1891. Tender.
- 1197.—**L. Periclymenum quercifolia.**
Syn., *L. verna variegata*.
Planted, 1896. Tender. Winter killed, 1898. Re-planted, 1899.

LONICERA—HONEYSUCKLE—Continued.

- 1198.—*L. Periclymenum serotina*.
Planted, 1899.
- 1199.—*L. Phylomelae*, CARR. Origin uncertain.
Planted, 1897. Hardy.
- 1200.—*L. punicea*.
Planted, 1895. Half hardy.
- 1201.—*L. pyrenaica*, L. Pyrenees.
Planted, 1899.
- 1202.—*L. quinquelocularis*, HARDW. Temperate Himalaya.
Syn., *L. diversifolia*, Wall.
Planted, 1897. Hardy.
- 1203.—*L. regeliana*, PETZ. & KIRCHN. Amurland.
Planted, 1895. Hardy.
- 1204.—*L. rupicola*, HOOK. F. & THOMS. Himalaya.
Planted, 1896. Hardy.
- 1205.—*L. ruprechtiana*, REGEL. Mandshuria.
Planted, 1896. Hardy.
- 1206.—*L. ruprechtiana salicifolia*.
Planted, 1899.
- 1207.—*L. salicifolia*, ZABEL (*L. micrantha* x *L. ruprechtiana*).
Planted, 1896. Hardy.
- 1208.—*L. segregiensis*, LAVALLÉE. Origin uncertain.
Planted, 1897. Hardy.
- 1209.—*L. sempervirens*, AIT. Scarlet Trumpet Honeysuckle. North America.
Planted, 1890. Hardy.
- 1210.—*L. sempervirens plantierensis*.
Syn., *L. occidentalis plantierensis*.
Planted, 1899.
- 1211.—*L. sibirica*.
Planted, 1897. Hardy.
- 1212.—*L. sinensis*.
Planted, 1897.
- 1213.—*L. Standishii*, HOOK. China.
Planted, 1899.
- 1214.—*L. Sullivanii*, A. GRAY. Canada, Northeastern United States.
Planted, 1895. Hardy.
- 1215.—*L. tatarica*, L. Tartarian or Bush Honeysuckle. Siberia.
Planted, 1896. Hardy.
L. tatarica alba = *L. tatarica flore albo*.
1216. *L. tatarica alba grandiflora*.
Planted, 1896. Hardy.
- 1217.—*L. tatarica alba rosea*.
Planted, 1896. Hardy.
- 1218.—*L. tatarica angustata*.
Planted, 1896. Hardy.
- 1219.—*L. tatarica discolor*.
Planted, 1898.
- 1220.—*L. tatarica elegans*.
Planted, 1891. Hardy.

LONICERA—HONEYSUCKLE—Concluded.

- 1221.—*L. tatarica flore albo*.
Syn., *L. tatarica alba*.
Planted, 1896. Hardy.
- 1222.—*L. tatarica flore roseo*.
Planted, 1896. Hardy.
- 1223.—*L. tatarica flore rubro*.
Planted, 1896. Hardy.
- 1224.—*L. tatarica fructu luteo*.
Planted, 1896. Hardy.
- 1225.—*L. tatarica gracilis*.
Planted, 1896. Hardy.
- 1226.—*L. tatarica grandiflora rubra*.
Planted, 1894. Hardy.
- 1227.—*L. tatarica Hoveyi*.
Planted, 1891. Hardy.
- 1228.—*L. tatarica Louis Leroy*.
Planted, 1896. Hardy.
- 1229.—*L. tatarica nana*.
Syn., *L. nana*.
Planted, 1896. Hardy.
- 1230.—*L. tatarica pulcherrima*.
Planted, 1897. Hardy.
- 1231.—*L. tatarica rosea floribunda*.
Planted, 1896. Hardy.
- 1232.—*L. tatarica splendens*.
Planted, 1896. Hardy.
- 1233.—*L. tatarica virginialis grandiflora*.
Planted, 1896. Partly killed, but probably hardy.
- 1234.—*L. translucens*, CARR. Origin uncertain.
Planted, 1899.
- 1235.—*L. Xylostium*, L. Upright Fly-Honeysuckle. Europe, Northern Asia.
Planted, 1896. Hardy.
L. verna variegata = *L. Periclymenum quercifolia*.

LYCIUM—MATRIMONY VINE.

- 1236.—*L. barbarum*, L. North Africa.
Planted, 1896. Half hardy.
- 1237.—*L. barbarum fol. aureo-variegatis*.
Planted, 1897. Hardy.
- 1238.—*L. chinense*, MILL. China.
Syn., *L. trevianum*, Roem. & Schult.
Planted, 1896. Half hardy.
- 1239.—*L. chinense macrocarpum*.
Planted, 1896. Hardy.
- 1240.—*L. europaeum*, L. Matrimony Vine. Mediterranean region.
Planted, 1896. Half hardy.
- 1241.—*L. rhombifolium*, DIPPEL. China.
Planted, 1896. Hardy.
L. trevianum, Roem. & Schult. = *L. chinense*, Mill.

LYONIA.

- 1242.—**L. paniculata**, NUTT. North America.
Syn., *Andromeda ligustrina*, Muhl.
 Planted, 1896. Hardy.
MAACKIA. See **CLADRASTIS**.

MACLURA—OSAGE ORANGE.

- 1243.—**M. aurantiaca**, NUTT. Osage Orange.
 South United States.
 Planted, 1896. Winter killed.

MAGNOLIA.

- 1244.—**M. acuminata**, L. United States.
 Planted, 1897. Tender. Some half hardy.
 1245.—**M. hypoleuca**, SIEB. & ZUCC. Japan.
 Planted, 1896. Winter killed.
 1246.—**M. Kobus**, DC. Japan.
 Planted, 1896. Winter killed.
 1247.—**M. parviflora**, SIEB. & ZUCC. Japan.
 Planted, 1896. Winter killed.
 1248.—**M. stellata**, MAXIM. Japan.
 Planted, 1896. Tender.
 1249.—**M. tripetala**, L. United States.
Syn., *M. Umbrella*, Lam.
 Planted, 1896. Tender.
M. Umbrella, Lam. = *M. tripetala*, L.
MAHONIA. See **BERBERIS**.
MAPLE. See **ACER**.
MATRIMONY VINE. See **LYCIUM**.
MEADOW-SWEET. See **SPIRÆA**.
MEDLAR. See **PYRUS**.

MENISPERMUM—MOONSEED.

- 1250.—**M. canadense**, L. Canadian Moonseed.
 North America.
 Planted, 1898. Hardy in vicinity of
 Ottawa.
 1251.—**M. dauricum**, DC. Siberia, China and
 Japan.
Syn., *M. dahuricum*, Maxim.
 Planted, 1895. Tender.
M. dahuricum, Maxim. = *M. dauricum*,
 DC.
MESPILUS. See **PYRUS**.
MILLETIA. See **WISTARIA**.

MICROGLOSSA.

- 1252.—**M. albescens**. C. B. CLARKE.
 Himalaya.
Syn., *Amphiraphis albescens*, DC.
 Planted, 1899.
MOOSE-WOOD. See **DIRCA**.
MOONSEED. See **MENISPERMUM**.

MORUS—MULBERRY.

- 1253.—**M. alba**, L. Temperate and subtropical
 Asia.
 Planted, 1893. Hardy.

MORUS—MULBERRY—*Concluded.*

- 1254.—**M. alba Colombassa**.
 Planted, 1896. Half hardy.
 1255.—**M. alba macrophylla**.
Syn., *M. morettiana*, Jacq.
 Planted, 1896. Hardy.
 1256.—**M. alba membranacea**.
 Planted, 1899.
 1257.—**M. alba multicaulis**.
 Planted, 1899.
 1258.—**M. alba pendula**.
 Planted, 1895. Hardy.
 1259.—**M. alba rosea**.
Syn., *M. rosea*.
 Planted, 1896. Hardy.
 1260.—**M. alba stylosa**.
Syn., *M. japonica*, Audib.
 Planted, 1894. Winter killed.
 1261.—**M. alba stylosa Downing's Everbearing**.
 Planted, 1896. Tender.
 1262.—**M. alba tatarica**.
Syn., *M. tatarica*, Linn.
 Planted, 1890. Hardy.
 1263.—**M. alba Tea's Weeping**.
 Planted, 1897. Hardy.
 1264.—**M. alba urticaefolia**.
 Planted, 1896. Hardy.
 1265.—**M. Cedrona**, HORT.
 Planted, 1896. Hardy.
 1266.—**M. globosa**, ROTHE.
 Planted, 1899.
 1267.—**M. intermedia**, HORT.
 Planted, 1898.
M. japonica, Audib. = *M. alba stylosa*.
M. morettiana, Jacq. = *M. alba macro-*
phylla.
 1268.—**M. nigra**, L. Native country unknown.
 Planted, 1896. Hardy.
M. rosea = *M. alba rosea*.
M. tatarica, L. = *M. alba tatarica*.
MOCK ORANGE. See **PHILADELPHUS**.
MOUNTAIN ASH. See **PYRUS**.
MOUNTAIN HOLLY. See **NEMOPANTHUS**.
MULBERRY. See **MORUS**.
MULBERRY, PAPER. See **BROUSSONETIA**.

MYRICA—BAYBERRY.

- 1269.—**M. asplenifolia**, L. Sweet Fern. North
 America.
Syn., *Comptonia asplenifolia*, Banks.
 Planted, 1894. Hardy.
 1270.—**M. cerifera**, L. Bayberry. United
 States.
 Planted, 1896. Half hardy.
 1271.—**M. Gale**, L. Sweet Gale. Northern
 Hemisphere.
 Planted, 1899.

MYRICA—BAYBERRY—*Concluded.*

- 1272.—**M. Gale tomentosa.**
Planted, 1896. Hardy.
- 1273.—**M. rubra.**
Planted, 1897. Winter killed.

MYRICARIA.

- 1274.—**M. davurica,** EHRENB. Siberia.
Planted, 1896. Tender.
- 1275.—**M. germanica,** DESV. Europe.
Planted, 1896. Half hardy.
Negundo aceroides, Moench = Acer Ne-
gundo, L.

NEILLIA—NINEBARK.

- 1276.—**N. amurensis,** BENTH & HOOK. Amur-
land.
Syn., Spiraea amurensis, Maxim.
Planted, 1889. Hardy.
- 1277.—**N. opulifolia,** BENTH & HOOK. Ninebark.
North America.
Syn., Spiraea opulifolia, L.
Planted, 1889. Hardy.
- 1278.—**N. opulifolia aurea.** Golden-leaved Nine-
bark.
Planted, 1889. Hardy.
- 1279.—**N. opulifolia nana.** Dwarf Ninebark.
Planted, 1898.
- 1280.—**N. thyrsoiflora,** DON. Himalaya.
Planted, 1899.
- 1281.—**N. Torreyi,** WATSON. California.
Syn., Spiraea monogyne, Torr.
Planted, 1895. Hardy.

NEMOPANTHUS—MOUNTAIN HOLLY.

- 1282.—**N. canadensis,** DC. Canada, United
States.
Planted, 1896. Hardy.

NEVIUSIA.

- 1283.—**N. alabamensis,** GRAY. Alabama.
Planted, 1897. Half hardy.
NEW JERSEY TEA. *See* CEANOTHUS.
NIGHTSHADE. *See* SOLANUM.
NINEBARK. *See* NEILLIA.

NUTTALLIA.

- 1284.—**N. cerasiformis,** TORR & GRAY. Cali-
fornia.
Planted, 1896. Winter killed. Re-planted,
1899.

NYSSA—PEPPERIDGE—SOUR GUM.

- N. multiflora, Wangenh = N. sylvatica,*
Marsh.
- 1285.—**N. sylvatica,** MARSH. South-western
Ontario, United States.
Syn., N. multiflora, Wangenh.
Planted, 1897. Half hardy.
OAK. *See* QUERCUS.
OLIVE. *See* ELAEAGNUS.

ONONIS.

- 1286.—**O. Natrix,** L. Europe.
Planted, 1896.
- 1287.—**O. rotundifolia,** L. South Europe.
Planted, 1899.
ORIXA. *See* CELASTRUS.
OSAGE ORANGE. *See* MACLURA.

OSMANTHUS.

- 1288.—**O. Aquifolium,** SIEBOLD. Japan.
Planted, 1895. Winter killed.
- 1289.—**O. marginata alba.**
Planted, 1895. Winter killed.
- 1290.—**O. marginata aurea.**
Planted, 1895. Winter killed.

OSTRYA—HOP HORNBEAM—IRON-WOOD.

- 1291.—**O. carpinifolia,** SCOP. Southern Europe,
Orient.
Planted, 1898.
- 1292.—**O. virginica,** WILLD. American Hop
Hornbeam. Iron-wood. North America.
Planted, 1898. Hardy.

OSTRYOPSIS.

- 1293.—**O. davidiana,** DECNE. China.
Planted, 1898.

OXYDENDRON—SORREL-TREE—SOUR-WOOD.

- 1294.—**O. arboreum,** DC. North America.
Syn., Andromeda arborea, L.
Planted, 1897. Hardy.

PACHYSANDRA.

- 1295.—**P. terminalis,** SIEB. & ZUCC. Japan.
Planted, 1896. Hardy.
- 1296.—**P. terminalis fol. variegatis.**
Planted, 1899.

PACHYSTIMA.

- 1297.—**P. Myrsinites,** RAFIN. Western North
America.
Planted, 1899.

PAEONIA.

- 1298.—**P. Moutan,** SIMS. China.
Planted, 1894. Tender.

PALIURUS—CHRIST THORN.

- P. aculeatus, Lam. = P. australis, Gaertn.*
- 1299.—**P. australis,** GAERTN. South Europe.
Syn., P. aculeatus, Lam.
Planted, 1898. Tender.
Panax sessiliflorum, Rupr. & Max. = Acan-
thopanax sessiliflorum Seem.
PAPAW, NORTH AMERICAN. *See* ASIMINA.

PARROTIA.

- 1300.—**P. persica**, C. A. MEYER. Persia.
Planted, 1898.
Parthenocissus tricuspidata, Planch = *Vitis inconstans* Miq.

PAULOWNIA.

- 1301.—**P. imperialis**, SIEB. & ZUCC. Japan.
Planted, 1894. Winter killed.
PAVIA. See *ÆSCULUS*.
PEACH. See *PRUNUS*.
PEAR. See *PYRUS*.
PEA-TREE, SIBERIAN. See *CARAGANA*.

PENTSTEMON.

- 1302.—**P. Menziesii** Scouleri.
Planted, 1899.
PEPPERIDGE. See *NYSSA*.
PEPPERBUSH, SWEET. See *CLETHRA*.

PERIPLOCA.

- 1303.—**P. graeca**, L. South-Eastern Europe,
Orient.
Planted, 1899. Half hardy on grounds.
PERSIMMON. See *DIOSPYROS*.

PETTERIA.

- 1304.—**P. ramentacea**, PRESL. Eastern Europe.
Syns., *Cytisus ramentaceus*, Sieb.; *Laburnum ramentaceum*, C. Koch.
Planted, 1897. Winter killed.

PHILADELPHUS—MOCK ORANGE—SYRINGA.

- P. columbianus*, Hort. = *P. gordonianus*, Lindl.
- 1305.—**P. cordifolius**, LANGE. Origin uncertain.
Planted, 1889. Half hardy.
- 1306.—**P. coronarius**, L. Mock Orange. Asia.
Planted, 1889. Hardy.
- 1307.—**P. coronarius flore pleno**. Double flowering Mock Orange.
Planted, 1894. Hardy.
- 1308.—**P. coronarius foliis aureis**. Golden-leaved Mock Orange.
Planted, 1894. Hardy.
P. coronarius microphyllus = *P. hybridus Lemoinei*.
- 1309.—**P. coronarius nanus**. Dwarf Mock Orange.
Syn., *P. nanus*, Mill.
Planted, 1889. Hardy.
- 1310.—**P. coronarius primulaeflorus**.
Planted, 1894. Hardy.
- 1311.—**P. coronarius rosaeiflorus plenus**.
Planted, 1896. Half hardy.
- 1312.—**P. coronarius salicifolius**.
Planted, 1896. Hardy.
- PHILADELPHUS**—Continued.
- 1313.—**P. coronarius semi-plenus**.
Planted, 1897. Half hardy.
- 1314.—**P. coronarius tenuifolius**.
Syn., *P. tenuifolius*, Rupr.
Planted, 1897. Hardy.
- 1315.—**P. coronarius tomentosus**.
Syn., *P. tomentosus*, Wall.
Planted, 1898.
P. coronarius Zeyheri = *P. grandiflorus floribundus*.
- 1316.—**P. deutziaeflorus**.
Planted, 1896. Half hardy.
- 1317.—**P. dianthiflorus plenus**.
Planted, 1894. Hardy.
- 1318.—**P. Falconeri**, HORT. Origin uncertain.
Planted, 1899.
P. Godohokeri, Hort. = *P. hirsutus*, Nutt.
- 1319.—**P. gordonianus**, LINDL. Western United States. British Columbia.
Planted, 1893. Hardy.
- 1320.—**P. gordonianus monstrosus**.
Planted, 1898.
P. gracilis, Lodd. = *P. hirsutus*, Nutt.
- 1321.—**P. grandiflorus**, WILLD. Large-flowered Syringa. Southern United States.
Planted, 1893. Hardy.
- 1322.—**P. grandiflorus flore pleno**.
Planted, 1899.
- 1323.—**P. grandiflorus floribundus**.
Syns., *P. Zeyheri*, Schrad; *P. latifolius*, Schrad.
Planted, 1896. Hardy.
- 1324.—**P. grandiflora floribundus mexicanus**.
Planted, 1898.
- 1325.—**P. grandiflorus floribundus sanguineus**.
Syn., *P. latifolius sanguineus*.
Planted, 1897. Hardy.
- 1326.—**P. grandiflorus floribundus verrucosus**.
Syn., *P. latifolius verrucosus*.
Planted, 1896. Hardy.
- 1327.—**P. grandiflorus laxus**.
Syn., *P. pubescens*, Lodd.
Planted, 1893. Hardy.
- 1328.—**P. hirsutus**, NUTT. Oregon.
Syns., *P. Godohokeri*, Hort; *P. gracilis*, Lodd.
Planted, 1897. Hardy.
- 1329.—**P. hybridus Lemoinei**.
Syn., *P. coronarius microphyllus*.
Planted, 1898.
- 1330.—**P. hybridus Lemoinei Avalanche**.
Planted, 1899.
- 1331.—**P. hybridus Lemoinei Boule d'Argent**.
Planted, 1895. Winter killed. Re-planted, 1899.
- 1332.—**P. hybridus Lemoinei Candélabre**.
Planted, 1895. Hardy.

PHILADELPHUS—Continued.

- 1333.—**P. hybridus Lemoinei erectus.**
Planted, 1895. Hardy.
- 1334.—**P. hybridus Lemoinei Gerbe de Neige.**
Planted, 1895. Winter killed.
- 1335.—**P. hybrida Lemoinei Mont Blanc.**
Planted, 1899.
- 1336.—**P. hybrida Lemoinei Pavillon Blanc.**
Planted, 1899.
P. ignea, Hort. = *P. grandiflorus laxus*.
P. inodorus, Michx. = *P. grandiflorus*, Willd.
- 1337.—**P. inodorus speciosus grandiflorus.**
Planted, 1896. Hardy.
- 1338.—**P. Keteleerii flore pleno.**
Planted, 1898.
P. latifolius, Schrad = *P. grandiflorus floribundus*.
- 1339.—**P. Lewisii**, PURSH. Western North America.
Planted, 1895. Hardy.
- 1340.—**P. Lewisii californica.**
Syn., *P. nivalis*, Hort.
Planted, 1893. Hardy.
- 1341.—**P. microphyllus**, A. GRAY. North America.
Planted, 1893. Hardy.
1342. **P. multiflorus plenus.**
Planted, 1899.
P. nanus, Mill. = *P. coronarius nanus*.
P. nivalis, Hort. = *P. Lewisii californicus*.
- 1343.—**P. nivalis spectabilis plenus.** HORT.
Planted, 1898.
- 1344.—**P. pekinensis**, RUPE. China.
Planted, 1897. Half hardy.
- 1345.—**P. pendulifolius**, HORT.
Planted, 1896. Hardy.
P. pubescens, Lodd. = *P. grandiflorus laxus*.
- 1346.—**P. pubescens rafinesquianus.**
Planted, 1899.
P. rosae-flores plenus = *P. coronarius rosae-flores plenus*.
- 1347.—**P. Satsumi**, SIEBOLD. Japan.
Syns., *P. Schrenkii*, Rupr.; *P. Yokohama*, Sieb.
Planted, 1896. Hardy.
- 1348.—**P. Satsumi acuminata.**
Planted, 1896. Hardy.
P. Schrenkii, Rupr. = *P. Satsumi*, Sieb.
- 1349.—**P. speciosus.**
Planted, 1893. Hardy.
- 1350.—**P. spec. Von den Gebirgen Pekings.**
Planted, 1896. Hardy.

PHILADELPHUS—Concluded.

- 1351.—**P. —? Souvenir de Billard.**
Planted, 1896. Half hardy.
P. tenuifolius, Rupr. = *P. coronarius tenuifolius*.
P. tomentosus, Wall. = *P. coronarius tomentosus*.
P. Yokohama, Sieb. = *P. Satsumi*, Sieb.
P. Zeyheri, Schrad. = *P. grandiflorus floribundus*, Torr & Gray.

PHILLYRAEA.

- 1352.—**P. angustifolia**, L. Mediterrane an region
Syn., *Filaria angustifolia*.
Planted, 1895. Winter killed.
- 1353.—**P. decora**, BOISS & BAL. Lazistan.
Syn., *P. laurifolia*, Hort.; *P. vilmoriniana*, Hort.
Planted, 1899.
P. laurifolia, Hort. = *P. decora*, Boiss. & Bal.
P. vilmoriniana, Hort. = *P. decora*, Boiss. & Bal.

PHOTINIA.

- 1354.—**P. glabra**, DECNE. Japan.
Planted, 1897. Winter killed.
- 1355.—**P. variabilis**, HEMSL. China and Japan.
Syns., *P. villosa*, DC.; *P. villosa*, Thunb.; *P. villosa*, Decne.
Planted, 1896. Tender.
- 1356.—**P. variabilis arguta.**
Planted, 1899.
- 1357.—**P. variabilis laevis.**
Planted, 1899.
P. villosa, DC., Thunb., Decne. = *P. variabilis*, Hemsl.

PHYLLOSTACHYS.

- 1358.—**P. bambusoides**, SIEB. & ZUCC. Japan.
Planted, 1895. Tender.

PIERIS.

- 1359.—**P. japonica**, D. DON.
Syn., *Andromeda japonica*, Thunb.
Planted, 1897. Winter killed.
- 1360.—**P. japonica fol. albo-marginatis.**
Syn., *Andromeda japonica fol. albo-marginatis*.
Planted, 1897. Winter killed.
PLANERA. See ZELKOWA.

PLATANUS—PLANE-TREE—BUTTON WOOD.

- 1361.—**P. acerifolia**, WILLD. Orient.
Syn., *P. californica*, Hort.
Planted, 1896. Tender.
P. californica, Hort. = *P. acerifolia*, Willd.

PLATANUS—*Concluded.*

- 1362.—*P. cuneata*, WILLD. Orient.
Planted, 1899.
- 1363.—*P. hispanica integrifolia*, HORT.
Planted, 1896. Half hardy.
- 1364.—*P. occidentalis*, L. American Plane or
Sycamore. Western Ontario, United
States.
Planted, 1893. Hardy.
- 1365.—*P. occidentalis fol. argenteis variegatis*.
Planted, 1897. Tender.
- 1366.—*P. occidentalis superba*.
Planted, 1896. Tender.
- 1367.—*P. orientalis*, L. Oriental Plane Tree.
Orient.
Planted, 1893. Half hardy.
- 1368.—*P. orientalis acerifolia*.
Planted, 1896. Tender.
- 1369.—*P. orientalis vitifolia*.
Planted, 1896. Tender.
- 1370.—*P. pyramidalis*, HORT.
Planted, 1896. Tender.
PLUM. See PRUNUS.

POLYGONUM.

- 1371.—*P. baldschuanicum*, REGEL. Bokhara.
Planted, 1899.

POPULUS—*POPLAR.*

- 1372.—*P. alba*, L. White or Silver Poplar.
Europe, N. Africa, N. and W. Asia.
Planted, 1890. Hardy.
P. alba bolleana = *P. alba pyramidalis*.
- 1373.—*P. alba globosa*.
Planted, 1896. Hardy.
- 1374.—*P. alba nivea*.
Planted, 1896. Hardy.
- 1375.—*P. alba nivea aureo-intertexta*.
Planted, 1896. Hardy.
- 1376.—*P. alba pyramidalis*. Pyramidal Silver
Poplar.
Syns., *P. alba bolleana*; *P. bolleana*, *Lanche*.
Planted, 1890. Hardy.
P. angulata, *Ait.* = *P. deltoidea*, *Marsh*.
- 1377.—*P. angustifolia*, JAMES. North America.
Planted, 1890. Hardy.
- 1378.—*P. balsamifera*, L. Balsam Poplar. North
America.
Planted, 1890. Hardy.
- 1379.—*P. balsamifera candicans*.
Syn., *P. candicans*, *Ait.*
Planted, 1896. One-third killed, but
probably hardy.
- 1380.—*P. balsamifera elongata*.
Planted, 1896. Hardy.
- 1381.—*P. balsamifera intermedia*.
Syn., *P. sibirica pyramidalis*.
Planted, 1890. Hardy.
P. balsamifera suaveolens = *P. suaveolens*,
Fisch.

POPULUS—*POPLAR*—*Continued.*

- 1382.—*P. berolinensis*, DIPPEL. Origin uncer-
tain.
Syn., *P. hybrida berolinensis*.
Planted, 1890. Hardy.
P. betulifolia, *Pursh.* = *P. nigra betulaeifolia*.
P. bolleana, *Lanche* = *P. alba pyramidalis*.
P. canadensis, *Moench.* = *P. deltoidea*,
Marsh.
P. candicans, *Ait.* = *P. balsamifera candi-*
cans.
- 1383.—*P. canescens*, SM.
Planted, 1896. Hardy.
- 1384.—*P. certinensis*, HORT. Garden origin.
Planted, 1890. Hardy.
- 1385.—*P. deltoidea*, MARSH. Angled Cotton-
wood. Cotton-wood. North America.
Syns., *P. angulata*, *Ait.*; *P. canadensis*,
Moench; *P. serotina*, *Hartig*.
Planted, 1896. Hardy.
- 1386.—*P. deltoidea aurea*. Golden-leaved Pop-
lar.
Syn., *P. monilifera Van Geerti*.
Planted, 1896. Hardy.
- 1387.—*P. deltoidea erecta*.
Planted, 1899.
P. dilatata, *Soland.* = *P. nigra pyramidalis*.
P. elegans, *Hort.* = *P. nigra elegans*.
P. Eugenie, *Hort.* = *P. nigra*, *L*.
- 1388.—*P. Fremontii*, S. WATS. California.
Planted, 1899.
- 1389.—*P. grandidentata*, MICHX. North
America.
Planted, 1889. Hardy.
- 1390.—*P. grandidentata Parasol de St. Julien*.
Planted, 1894. Hardy.
- 1391.—*P. grandidentata pendula*.
Planted, 1894. Hardy.
- 1392.—*P. heterophylla*, L. North America.
Planted, 1898.
P. hybrida berolinensis = *P. berolinensis*,
Dippel.
- 1393.—*P. laurifolia*, LEDEB. Altai region of
Southern Siberia.
Syns., *P. laurifolia riminalis*; *P. lindley-*
ana, *Booth*.
Planted, 1896. Hardy.
P. laurifolia riminalis = *P. laurifolia*, *Ledeb*.
P. lindleyana, *Booth.* = *P. laurifolia*, *Ledeb*.
P. monilifera, *Ait.* = *P. deltoidea*, *Marsh*.
P. monilifera Van Geerti = *P. deltoidea*
aurea.
- 1394.—*P. mescoviensis*, SCHROEDER. Origin
uncertain.
Planted, 1899.
- 1395.—*P. nigra*, L. Black Poplar. Europe, N.
Asia.
Syn., *P. Eugenie*, *Hort*.
Planted, 1890. Hardy.

POPULUS—POPLAR—*Concluded.*

- 1396.—**P. nigra betulaefolia.**
Syn., *P. betulifolia*, Pursh.
 Planted, 1890. Hardy.
- 1397.—**P. nigra elegans.**
Syn., *P. elegans*.
 Planted, 1893. Hardy.
P. nigra fastigiata = *P. nigra pyramidalis*.
- 1398.—**P. nigra Nolestii.**
Syn., *P. Nolestii*, Hort.
 Planted, 1890. Hardy.
- 1399.—**P. nigra pyramidalis.** Lombardy Poplar.
Syns., *P. dilatata* Soland; *P. nigra fastigiata*; *P. pyramidalis*, Salish.
 Planted, 1890. Hardy.
- 1400.—**P. nigra pyramidalis gigantea.**
 Planted, 1899.
- 1401.—**P. nigra plantierensis mascula.**
 Planted, 1896. Hardy.
P. Nolestii, Hort. = *P. nigra Nolestii*.
- 1402.—**P. petrowskyana**, SCHROEDER. Garden origin.
 Planted, 1890. Hardy.
P. pyramidalis, Salish. = *P. nigra pyramidalis*.
- 1403.—**P. rasumowskyana**, SCHROEDER. Garden origin.
 Planted, 1899.
P. rotundifolia, Hort. = *P. Sieboldii*, Miq.
P. serotina, Hartig. = *P. deltoidea*, Marsh.
P. sibirica pyramidalis = *P. balsamifera intermedia*.
- 1404.—**P. Sieboldii**, MIQ. Japan.
Syn., *P. rotundifolia*, Hort.
 Planted, 1893. Hardy.
- 1405.—**P. Simonii**, CARR. China.
 Planted, 1890. Hardy.
- 1406.—**P. suaveolens**, FISCH.
Syn., *P. balsamifera suaveolens*.
 Planted, 1896. Hardy.
- 1407.—**P. tremula**, L. European Aspen. Europe, N. Africa, N. Asia.
 Planted, 1899.
- 1408.—**P. tremula purpurea.**
 Planted, 1899.
- 1409.—**P. tremula viridifolia.**
 Planted, 1899.
- 1410.—**P. tremuloides**, MICHX. American Aspen. North America.
 Planted, 1896. Hardy.
- 1411.—**P. trichocarpa**, Hook. Western North America.
 Planted, 1896. Hardy.
- 1412.—**P. tristis**, FISCH. North-eastern Asia.
 Planted, 1896. Hardy.
- 1413.—**P. Wobstii**, SCHROEDER. Garden origin?
 Planted, 1890. Hardy.

POTENTILLA—CINQUE-FOIL.

- 1414.—**P. davurica**, NESLL. China.
 Planted, 1898.
- 1415.—**P. Friedrichseni**, SPATH. Garden origin.
 Planted, 1898.
- 1416.—**P. fruticosa**, L. Shrubby Cinque-foil. Northern Hemisphere.
 Planted, 1889. Hardy.
 PRIVET. See LIGUSTRUM.

PRUNUS—ALMOND, PEACH, APRICOT, PLUM, CHERRY.**AMYGDALUS**—ALMOND, PEACH.

- 1417.—**P. Amygdalus compacta.**
 Planted, 1897. Half hardy.
- 1418.—**P. Amygdalus fol. marginatis.**
 Planted, 1897. Hardy for one winter, then winter killed.
- 1419.—**P. Amygdalus persicoides.**
Syn., *Amygdalus persicoides*.
 Planted, 1898.
- 1420.—**P. davidiana**, FRANCHET. China.
Syn., *Amygdalus davidiana*, Dieck.
 Planted, 1897. Hardy.
- 1421.—**P. davidiana flore albo.**
 Planted, 1897. Hardy.
- 1422.—**P. incana**, STEV. Asia Minor.
Syn., *Amygdalus incana*, Pall.
 Planted, 1896. Hardy.
- 1423.—**P. nana flore albo.** White Flowering Almond.
 Planted, 1897. Hardy.
- 1424.—**P. orientalis**, WALP. Orient.
 Planted, 1897. Winter killed.
- 1425.—**P. orientalis fol. variegatis.**
 Planted, 1896. Half hardy.
- 1426.—**P. Persica**, STOKES. Peach. China.
Syn., *Amygdalus Persica*, L.
 Planted, 1896. Tender. Winter killed, 1898.
- 1427.—**P. Persica camelliiflora plena.**
 Planted, 1897. Winter killed.
- 1428.—**P. Persica dianthiflora plena.**
 Planted, 1897. Half hardy.
- 1429.—**P. Persica flore pleno.**
 Planted, 1897. Half hardy.
- 1430.—**P. Persica flore roseo pleno.**
Syn., *P. Persica rosiflora pleno*.
 Planted, 1899.
- 1431.—**P. Persica foliis aureis.**
 Planted, 1897. Half hardy.
- 1432.—**P. Persica Kaiser Friedrich III.**
 Planted, 1897. Half hardy.
- 1433.—**P. Persica Klara Mayer.**
 Planted, 1897. Winter killed. Re-planted, 1899.

PRUNUS—Continued.**AMYGDALUS**—ALMOND, PEACH—Concluded.

- 1434.—**P. Persica pyramidalis.**
Planted, 1897. Half hardy.
P. Persica rosiflora plena = *P. Persica flore roseo pleno*.
P. persicoides = *P. Amygdalus persicoides*.
- 1435.—**P. prunifolia.**
Syn., *Amygdalus prunifolia*, Carr.
Planted, 1897. Half hardy.
- 1436.—**P. Simonii**, CARR. China.
Syn., *Amygdalus Simonii*, Dieck
Planted, 1896. Half hardy.

ARMENIACA—APRICOT.

- 1437.—**P. Armeniaca pendula.**
Planted, 1899.
P. Armeniaca brigantiaca = *P. brigantiaca*, Chaix.
- 1438.—**P. brigantiaca**, CHAIX. South-east France.
Syn., *P. Armeniaca brigantiaca*.
Planted, 1896. Winter killed. Re-planted, 1899.
- 1439.—**P. dasycarpa**, EHRH. ? Garden Hybrid.
Planted, 1896. Half hardy.
- 1440.—**P. Mume**, SIEB. & ZUCC. Japan.
Planted, 1898.
- 1441.—**P. tomentosa**, THUNB. China and Japan.
Planted, 1897. Hardy.
- 1442.—**P. triloba**, LINDL. China.
Planted, 1896. Hardy.

PRUNUS—PLUM.

- 1443.—**P. alleghaniensis**, PORTER. Porter's Plum. South United States.
Planted, 1897, Winter killed. Re-planted, 1899.
- 1444.—**P. americana**, MARSH. Wild Yellow or Red Plum. North America.
Planted, 1896. Hardy.
- 1445.—**P. americana pendula.**
Planted, 1898.
- 1446.—**P. angustifolia**, MARSHALL. Chicasaw Plum. South-eastern United States.
Syn., *P. Chicasa*, Michx.
Planted, 1896. Hardy.
- 1447.—**P. cerasifera**, EHRH. Myrobalan Plum. ? Caucasus.
Syn., *P. mirobalana*, Loisel.
Planted, 1894. Half hardy.
- 1448.—**P. cerasifera acutifolia.**
Planted, 1897. Half hardy.
- 1449.—**P. cerasifera angustifolia pendula.**
Planted, 1899.
- 1450.—**P. cerasifera flore roseo pleno.**
Planted, 1897. Half hardy.

PRUNUS—Continued.**PRUNUS**—PLUM—Continued.

- 1451.—**P. cerasifera fol. argenteis marginatis.**
Planted, 1897. Winter killed. Re-planted, 1899.
- 1452.—**P. cerasifera atropurpurea.**
Syn., *P. cerasifera fol. purpureis*; *P. Pissardi*, Carr.
Planted, 1895. Half hardy.
P. cerasifera fol. purpureis = *P. cerasifera atropurpurea*.
- 1453.—**P. cerasifera atropurpurea variegata.**
Planted, 1899.
- 1454.—**P. cerasifera atropurpurea aureo-marginata.**
Planted, 1897. Half hardy.
P. Chicasa, Michx. = *P. angustifolia*, Marshall.
- 1455.—**P. Cocumilio**, TENORE. South Italy.
Planted, 1896. Half hardy.
- 1456.—**P. communis juliana.**
Syn., *P. juliana pendula*.
Planted, 1896. Tender.
- 1457.—**P. communis pruneauliana fol. argenteis variegatis.**
Syn., *P. oeconomica fol. argenteis variegatis*.
Planted, 1896. Half hardy.
- 1458.—**P. communis pruneauliana fol. aureo-marginatis.**
Syn., *P. oeconomica fol. aureo-marginatis*.
Planted, 1896. Half hardy.
- 1459.—**P. communis pruneauliana pyramidalis.**
Syn., *P. oeconomica pyramidalis*.
Planted, 1897. Hardy.
- 1460.—**P. curdica**, FRITSCH. Kurdistan?
Planted, 1896. Hardy.
- 1461.—**P. divaricata**, LEDEB. Caucasus.
Planted, 1897. Hardy.
P. domestica, L. = *P. communis*, Hudson.
- 1462.—**P. hortulana**, BAILEY. Wild Goose Plum. South-western United States.
Planted, 1890. Winter killed.
- 1463.—**P. insititia aucubifolia.**
Planted, 1896. Hardy.
- 1464.—**P. insititia pendula fol. argenteis variegatis.**
Planted, 1896. Winter killed.
P. juliana pendula = *P. communis juliana*.
- 1465.—**P. maritima**, WANGH. Beach Plum. Eastern United States.
Planted, 1893. Hardy.
- 1466.—**P. maritima fructu luteo.**
Planted, 1898.
- 1467.—**P. maritima pygmæa.**
Planted, 1896. Hardy.
P. mirobalana, Loisel = *P. cerasifera*, Ehrh.
- 1468.—**P. monticola**, C. KOCH. Asia Minor.
Planted, 1896. Hardy.

PRUNUS—Continued.**PRUNUS—PLUM—Concluded.**

- 1469.—**P. nigra**, AIT. Canada Plum. Canada. United States.
Planted, 1896. Hardy.
P. oeconomica, Borkh. = *P. communis prunaeuliana*.
- 1470.—**P. orthosepala**, KOEHNK. Texas.
Planted, 1896. Hardy.
P. Pissardi, Carr. = *P. cerasifera atropurpurea*.
- 1471.—**P. sibirica variet.**
Planted, 1896. Half hardy.
- 1472.—**P. spinosa**, LINN. Black Thorn. Europe. North Asia.
Planted, 1896. Half hardy.
- 1473.—**P. spinosa flore pleno**.
Planted, 1896. Half hardy.
- 1474.—**P. spinosa fructu dulci**.
Planted, 1896. Tender.
- 1475.—**P. subcordata**, BENTH. California.
Planted, 1899.
- 1476.—**P. subhirtella**, MIQ. Japan.
Planted, 1897. Half hardy.
- 1477.—**P. triflora**, ROXB. Japanese Plum. Burma, China.
Planted, 1897. Hardy.
- 1478.—**P. Watsoni**, SARGENT. Western United States.
Planted, 1898.

CERASUS—CHERRY.

- 1479.—**P. acida Marasca**.
Planted, 1897. Hardy.
- 1480.—**P. acida semperflorens**.
Planted, 1896. Hardy.
- 1481.—**P. Avium**, L. Wild Cherry. Mazzard. Europe.
Planted, 1897. Hardy.
- 1482.—**P. Avium asplenifolia**.
Planted, 1896. Half hardy.
- 1483.—**P. Avium decumana**.
Planted, 1896. Hardy.
- 1484.—**P. Avium flore pleno**.
Planted, 1897. Hardy.
- 1485.—**P. Avium pulverulenta tricolor**.
Planted, 1896. Hardy.
- 1486.—**P. Avium pyramidalis**.
Planted, 1896. Half hardy.
- 1487.—**P. Cerasus**, L. Sour Cherry. Europe.
Planted, 1893. Hardy.
- 1488.—**P. Cerasus flore pleno**.
Planted, 1895. Tender.
- 1489.—**P. Cerasus flore albo pleno**.
Planted, 1898.
- 1490.—**P. Cerasus fol. pulverulentis**.
Planted, 1896. Hardy.

PRUNUS—Continued.**CERASUS—CHERRY—Continued.**

- 1491.—**P. Cerasus globosa**.
Planted, 1898.
- 1492.—**P. Cerasus Rhexii flore pleno**.
Planted, 1896. Hardy.
- 1493.—**P. Cerasus rosea pendula**.
Planted, 1897. Hardy.
- 1494.—**P. Cerasus sempervirens**.
Planted, 1896. Hardy.
- 1495.—**P. Chamaecerasus**, JACQ. Europe.
Planted, 1891. Hardy.
- 1496.—**P. Chamaecerasus pendula**.
Planted, 1896. Hardy.
- 1497.—**P. Chamaecerasus pendula fol. variegatis**.
Planted, 1896. Hardy.
P. fruticosa, Pall. = *P. Chamaecerasus*, Jacq.
- 1498.—**P. hybrida nigra fol. marginatis**.
Planted, 1898.
- 1499.—**P. Jacquemontii**, HOOK. Afghanistan.
Planted, 1896. Half hardy.
- 1500.—**P. japonica**, THUNB. China and Japan.
Syn., *P. sinensis*, Pers.
Planted, 1896. Half hardy.
- 1501.—**P. japonica flore albo pleno**.
Planted, 1896. Winter killed. Re-planted, 1899.
- 1502.—**P. japonica flore roseo pleno**.
Planted, 1896. Tender.
- 1503.—**P. Maximowiczii**, RUPE. Mandshuria.
Planted, 1899.
- 1504.—**P. pendula**, MAXIM. Japan.
Planted, 1896. Tender.
- 1505.—**P. pendula japonica**.
Planted, 1899.
- 1506.—**P. pennsylvanica**, L. Wild Red Cherry. Pin Cherry. North America.
Planted, 1896. Hardy.
- 1507.—**P. pennsylvanica variet.**
Planted, 1896. Hardy.
- 1508.—**Prunus plantierensis flore pleno**.
Planted, 1896. Half hardy.
- 1509.—**P. prostrata**, LABILL. Orient.
Planted, 1898.
- 1510.—**P. pseudo-cerasus**, LINDL. China and Japan.
Planted, 1896. Hardy.
- 1511.—**P. pseudo-cerasus flore roseo pleno**.
Planted, 1896. Tender.
- 1512.—**P. pseudo-cerasus serrulata**.
Planted, 1898.
- 1513.—**P. pseudo-cerasus serrulata flore pleno**.
Planted, 1896. Tender.

PRUNUS—Continued.**CERASUS**—CHERRY—Concluded.

- 1514.—**P. pumila**, L. Sand Cherry. North America.
Planted, 1896. Hardy.
- 1515.—**P. pumila variet.**
Planted, 1896. Hardy.
- 1516.—**P. reflexa**, HORT.
Planted, 1899.
P. rosea pendula = *P. japonica rosea pendula*.
P. sinensis, Pers. = *P. japonica*, Thunb.
- 1517.—**P. utahensis** (**P. Besseyi** x **Watsoni**).
Planted, 1890. Hardy.

PADUS—BIRD CHERRY.

- 1518.—**P. demissa**, WALP. Western Wild Cherry. British Columbia, Western United States.
Planted, 1899.
P. emarginata mollis = *P. mollis*, Walp.
- 1519.—**P. graeca**, DESF. Europe.
Planted, 1896. Hardy.
- 1520.—**P. grayana**, MAXIM. Japan.
Planted, 1894. Hardy.
- 1521.—**P. Maacki**, RUPR. Mandshuria.
Planted, 1894. Hardy.
- 1522.—**P. Mahaleb**, L. Mahaleb. Perfumed Cherry. Europe.
Planted, 1889. Hardy.
- 1523.—**P. Mahaleb compacta**.
Planted, 1896. Tender.
- 1524.—**P. Mahaleb fructu luteo**.
Planted, 1896. Tender.
- 1525.—**P. Mahaleb globosa**.
Planted, 1896. Half hardy.
- 1526.—**P. Mahaleb pendula**.
Planted, 1896. Tender.
- 1527.—**P. mollis**, WALP. Western United States.
Syn., *P. emarginata mollis*.
Planted, 1896. Hardy.
- 1528.—**P. Padus**, L. Bird Cherry. Europe, Asia.
Planted, 1896. Hardy.
- 1529.—**P. Padus aucubaefolia**.
Planted, 1891. Hardy.
- 1530.—**P. Padus aurea**. Golden-leaved Bird Cherry.
Planted, 1896. Half hardy.
- 1531.—**P. Padus aurea Albertsi**.
Planted, 1899.
- 1532.—**P. Padus bracteata**.
Planted, 1899.
- 1533.—**P. Padus cornuta**.
Planted, 1898.
- 1534.—**P. Padus flore pleno**. Double-flowered Bird Cherry.
Planted, 1896. Hardy.

PRUNUS—Concluded.**PADUS**—BIRD CHERRY—Concluded.

- 1535.—**P. Padus foliis marmoratis**.
Planted, 1896. Hardy.
- 1536.—**P. Padus heterophylla elegans variegata**.
Planted, 1896. Hardy.
- 1537.—**P. Padus leucocarpa**.
Planted, 1896. Hardy.
- 1538.—**P. ranunculaefolia**.
Planted, 1897. Hardy.
- 1539.—**P. Padus rotundifolia**. Round-leaved Bird Cherry.
Planted, 1896. Hardy.
- 1540.—**P. serotina**, EHRH. Wild Black Cherry. Canada, United States.
Planted, 1890. Hardy.
- 1541.—**P. serotina asplenifolia**.
Planted, 1899.
- 1542.—**P. serotina cartilaginea**.
Planted, 1896. Hardy.
- 1543.—**P. serotina pendula**.
Planted, 1896. Bark rubbed, causing it to kill back one half. Died. Re-planted, 1899.
- 1544.—**P. serotina salicifolia**.
Planted, 1896. Hardy.
- 1545.—**P. variegata**.
Planted, 1899.
- 1546.—**P. virginiana**, L. Choke Cherry. Canada, United States.
Planted, 1896. Hardy.
- 1547.—**P. virginiana pendula**.
Planted, 1897. Hardy.

LAUROCERASUS.

- 1548.—**P. Laurocerasus schipkaensis**.
Planted, 1897. Hardy.
- 1549.—**P. lusitanica argenteo-marginatis**.
Planted, 1895. Winter-killed.

PTELEA—WAFFER ASH, THREE-LEAVED HOP-TREE.

- 1550.—**P. trifoliata**, L. Southern Ontario, United States.
Planted, 1894. Hardy.
- 1551.—**P. trifoliata aurea**. Golden Wafer Ash.
Planted, 1896. Hardy.
- 1552.—**P. trifoliata fastigiata**.
Planted, 1898.
- 1553.—**P. trifoliata fol. variegatis**. Variegated Wafer Ash.
Planted, 1897. Hardy.
- 1554.—**P. trifoliata glauca**.
Planted, 1899.
- 1555.—**P. trifoliata major**.
Planted, 1896. Hardy.

PTEROCARYA.

- 1556.—**P. caucasica**, C. A. MEY. Caucasus.
Planted, 1898.
P. caucasica laevigata = *P. stenoptera*, C. DC.
P. laevigata, Hort. = *P. stenoptera*, C. DC.
- 1557.—**P. rhoifolia**, SIEB. & ZUCC. Japan.
Planted, 1898.
- 1558.—**P. stenoptera**, C. DC. China.
Syn., *P. laevigata*, Hort.; *P. caucasica laevigata*.
Planted, 1896. Half hardy.
Pterostyrax = *Halesia*.

PYRUS—PEAR, APPLE, MOUNTAIN ASH, QUINCE, MEDLAR.

PYROPHORUM—PEAR.

- 1559.—**P. auricularis**, KNOOP. (**P. aria** x **communis**). Europe.
Syn., *P. Pollveria*, L.
Planted, 1898.
- 1560.—**P. betulaefolia**, BUNGE. Birch-leaved Pyrus. China and Japan.
Planted, 1896. Hardy.
- 1561.—**P. canescens**, SPACH. Origin uncertain.
Planted, 1896. Hardy.
P. chinensis, Roxb. = *P. sinensis*, Lindl.
- 1562.—**P. communis**, L. Common Wild Pear. Europe. Asia.
Planted, 1898.
- 1563.—**P. communis fascicularis**.
Planted, 1896. Hardy.
- 1564.—**P. communis flore albo pleno**.
Planted, 1899.
- 1565.—**P. communis fol. variegatis**.
Planted, 1898.
- 1566.—**P. communis Souvenir de Plantières**.
Planted, 1899.
- 1567.—**P. elaeagrifolia**, PAILL. Asia Minor.
Syn., *P. persica*, Pers.
Planted, 1896. Hardy.
- 1568.—**P. heterophylla**, RGL. & SCHMAL. Asia.
Planted, 1896. Hardy.
- 1569.—**P. heterophylla Koopmanni**.
Planted, 1896. Half hardy.
- 1570.—**P. malifolia**, SPACH. Hybrid origin.
Planted, 1899.
- 1571.—**P. Michauxi** HORT.
Planted, 1896. Hardy.
- 1572.—**P. nivalis**, JACQ. Levant.
Planted, 1896. Half hardy.
- 1573.—**P. parviflora**, DESF. South Europe.
Syn., *P. persica*, Pers.
Planted, 1899.
- 1574.—**P. Pashia**, BUCH. India.
Planted, 1898.
P. persica, Pers. = *P. parviflora*, Desf.
P. Pollveria, L. = *P. auricularis*, Knoop.

PYRUS—Continued.

PYROPHORUM—PEAR—Concluded.

- 1575.—**P. pubescens**, HORT.
Planted, 1896. Hardy.
- 1576.—**P. Pyrainus**, HORT.
Planted, 1896.
- 1577.—**P. salicifolia**, L. Levant.
Planted, 1897. Hardy.
- 1578.—**P. sinaica**, THOUIN. Asia Minor.
Planted, 1896. Hardy.
- 1579.—**P. sinensis**, LINDL. China.
Syn., *P. chinensis*, Roxb.
Planted, 1897. Hardy.
P. ussuriensis, Maxim. = *P. sinensis*, Lindl.

MALUS—APPLE.

- 1580.—**P. angustifolia**, AIT. United States.
Planted, 1895. Hardy.
- 1581.—**P. angustifolia flore pleno**.
Planted, 1896. Half hardy.
- 1582.—**P. astrachanica**, DC. Russia.
Planted, 1897. Hardy.
- 1583.—**P. baccata**, L. Siberian Crab. Berried crab. Himalaya to Japan.
Planted, 1889. Hardy.
- 1584.—**P. baccata aurantiaca**.
Planted, 1889. Hardy.
- 1585.—**P. baccata cerasiformis**.
Planted, 1894. Hardy.
- 1586.—**P. baccata costata**.
Planted, 1896. Hardy.
- 1587.—**P. baccata edulis**.
Planted, 1899.
- 1588.—**P. baccata flava**.
Planted, 1897. Hardy.
- 1589.—**P. baccata fructu luteo**.
Planted, 1897. Hardy.
- 1590.—**P. baccata fructu maximo**.
Planted, 1896. Hardy.
- 1591.—**P. baccata genuina**.
Planted, 1894. Hardy.
- 1592.—**P. baccata grandiflora**.
Planted, 1895. Hardy.
- 1593.—**P. baccata hiemalis**.
Planted, 1896. Hardy.
- 1594.—**P. baccata jenensis**.
Planted, 1896. Hardy.
- 1595.—**P. baccata lucida**.
Planted, 1894. Hardy.
- 1596.—**P. baccata macrocarpa**.
Planted, 1894. Hardy.
- 1597.—**P. baccata obconoidea**.
Planted, 1898.
- 1598.—**P. baccata oblonga**.
Planted, 1898.

PYRUS—Continued.**MALUS**—APPLE—Continued.

- 1599.—**P. baccata odorata.**
Planted, 1898.
- 1600.—**P. baccata praecox.**
Planted, 1896. Hardy
- 1601.—**P. coronaria**, L. American Crab Apple.
Western Ontario, Eastern United States.
Planted, 1889. Hardy.
- 1602.—**P. coronaria flore pleno.**
Planted, 1896. Hardy.
- 1603.—**P. coronaria variet.**
Planted, 1896. Hardy.
- 1604.—**P. denticulata**, LAVAL.
Planted, 1899.
P. dioica, Moench. = *P. Malus dioica*.
- 1605.—**P. floribunda**, NICHOLS. Japan.
Syn., *P. Malus floribunda*.
Planted, 1899.
- 1606.—**P. floribunda atrosanguinea.**
Planted, 1896. Hardy.
- 1607.—**P. floribunda flore pleno.**
Syns., *P. Parkmanni*; *P. halleana*, Hort.
Planted, 1895. Winter killed. Re-planted,
1898.
P. halleana, Hort. = *P. floribunda flore pleno*.
- 1608.—**P. Malus**, LINN. Wild Apple. Europe.
Planted, 1898.
- 1609.—**P. Malus argenteo-marginatis.**
Planted, 1896. Hardy.
- 1610.—**P. Malus aurea.**
Planted, 1896. Hardy.
- 1611.—**P. Malus aureo-marginatis.**
Planted, 1896. Hardy.
- 1612.—**P. Malus cortice striato.**
Planted, 1896. Hardy.
- 1613.—**P. Malus dioica.**
Syn., *P. dioica*, Moench.
Planted, 1896. Hardy.
- 1614.—**P. Malus flexilis.**
Planted, 1897. Hardy.
P. Malus floribunda = *P. floribunda*,
Nichols.
- 1615.—**P. Malus foliis tricoloribus.**
Planted, 1897. Hardy.
- 1616.—**P. Malus pendula Elise Rathke.**
Planted, 1896. Hardy.
P. Malus spectabilis = *P. spectabilis*, Ait.
China and Japan.
- 1617.—**P. Malus translucens.**
Planted, 1896. Hardy.
- 1618.—**P. Malus upsaliensis.**
Planted, 1898.
- 1619.—**P. microcarpa praecox.**
Planted, 1896. Hardy.

PYRUS—Continued.**MALUS**—APPLE—Continued.

- 1620.—**P. niedzwetzkyana**, Dck.
Planted, 1896. Hardy.
- 1621.—**P. orthocarpa**, NICHOLS. Japan.
Planted, 1898.
P. Parkmanni, Hort. = *P. floribunda flore pleno*.
- 1622.—**P. pumila**, K. KOCH.
Planted, 1896. Hardy.
- 1623.—**P. pumila gallica.**
Planted, 1898.
- 1624.—**P. pumila Sieversii.**
Planted, 1896. Hardy.
- 1625.—**P. prunifolia**, WILLD. Siberia.
Planted, 1894. Hardy.
- 1626.—**P. prunifolia conocarpa.**
Planted, 1897. Hardy.
- 1627.—**P. prunifolia dulcis.**
Planted, 1896. Hardy.
- 1628.—**P. prunifolia edulis.**
Planted, 1898.
- 1629.—**P. prunifolia fructu coccineo.**
Planted, 1896. Hardy.
- 1630.—**P. prunifolia maliformis.**
Planted, 1896. Hardy.
- 1631.—**P. prunifolia pendula.**
Planted, 1896. Hardy.
- 1632.—**P. prunifolia xanthocarpa.**
Planted, 1896. Hardy.
- 1633.—**P. Ringo**, MAXIM. Japan.
Planted, 1894. Hardy.
- 1634.—**P. Ringo chaemonifolius.**
Planted, 1894. Hardy.
- 1635.—**P. Ringo fastigiata bifera.**
Planted, 1896. Hardy.
- 1636.—**P. Ringo sublobata.**
Planted, 1896. Hardy.
- 1637.—**P. rivularis**, DOUGL. North America.
Planted, 1896. Hardy.
- 1638.—**P. rivularis integrifolia.**
Planted, 1896. Hardy.
- 1639.—**P. Scheideckeri**, SPATH. (*P. floribunda x prunifolia*.)
Planted, 1896. Hardy.
- 1640.—**P. sibirica fructu coccineo** (*P. baccata x prunifolia*).
Planted, 1896. Hardy.
- 1641.—**P. spectabilis**, AIT. China and Japan.
Syn., *P. Malus spectabilis*.
Planted, 1899.
- 1642.—**P. spectabilis flore pleno.**
Planted, 1897. Hardy.
- 1643.—**P. spectabilis imperialis.**
Planted, 1896. Hardy.
- 1644.—**P. spectabilis Riversii.**
Planted, 1896. Hardy.

PYRUS—Continued.**MALUS**—APPLE—Concluded.

- 1645.—**P. Toringo**, SIEB. Japan.
Planted, 1896. Hardy.
- 1646.—**P. Toringo major**.
Planted, 1896. Hardy.
- 1647.—**P. Toringo nivea polypetala**.
Planted, 1895. Hardy.

ARIA—WHITE BEAM.

- 1648.—**P. alpina**, WILLD. (**P. arbutifolia** x **Aria**). Garden origin.
Planted, 1899.
- 1649.—**P. alpina compacta**.
Planted, 1897. Hardy.
- 1650.—**P. alpina super-Aria**.
Planted, 1896. Hardy.
- 1651.—**P. Aria**, L. White Beam-tree. North Temperate Zone.
Planted, 1897. Hardy.
- 1652.—**P. Aria angustifolia**.
Planted, 1896. Hardy.
- 1653.—**P. Aria argentea**.
Planted, 1899.
- 1654.—**P. Aria chrysophylla**.
Planted, 1897. Hardy.
- 1655.—**P. Aria flabelliformis**.
Syns., Crataegus edulis ; P. flabellifolia, S. Schau.
Planted, 1896. Hardy.
- 1656.—**P. Aria lutescens**.
Planted, 1896. Hardy.
- 1657.—**P. Aria majestica**.
Planted, 1896. Hardy.
- 1658.—**P. Aria quercoides**.
Planted, 1896. Hardy.
- 1659.—**P. Aria tomentosa**.
Planted, 1896. Hardy.
- 1660.—**P. Aria vestita**.
Planted, 1896. Hardy.
- 1661.—**P. Chamæmespilus**, L. Alps of Europe.
Planted, 1896. Hardy.
- 1662.—**P. decaisneana**, NICHOLS. Origin unknown.
Planted, 1899.
P. flabellifolia, S. Schau. = P. Aria flabelliformis.
- 1663.—**P. intermedia**, EHRH. Europe.
Planted, 1897. Hardy.
- 1664.—**P. lanata**, DON. Himalaya.
Planted, 1899.
- 1665.—**P. rotundifolia**, BECHST. Europe.
Syns., Crataegus latifolia, Lam. ; C. dentata, Thuill.
Planted, 1894. Hardy.
P. Thomsoni, Hort. = P. vestita, Wall.

PYRUS—Continued.**ARIA**—WHITE BEAM—Concluded.

- 1666.—**P. Torminalis**, DC. Europe.
Syn., Crataegus Torminalis, L.
Planted, 1898.
- 1667.—**P. vestita**, WALL. India.
Syn., P. nepalensis, Hort.
Planted, 1896. Hardy.

SORBUS—MOUNTAIN ASH—ROWAN TREE—SERVICE TREE.

- 1668.—**P. alnifolia**, K. KOCH. Japan.
Planted, 1899.
- 1669.—**P. americana**, DC. American Mountain Ash. North America.
Planted, 1896. Hardy.
- 1670.—**P. americana nana**. Dwarf American Mountain Ash.
Planted, 1894. Hardy.
- 1671.—**P. Aucuparia**, GAERTN. European Mountain Ash. Northern Hemisphere.
Syn., P. discolor., Maxim.
Planted, 1889. Hardy.
P. Aucuparia aurea = P. Aucuparia foliis aureis.
- 1672.—**P. Aucuparia foliis aureis**. Golden-leaved European Mountain Ash.
Syns., P. Aucuparia aurea ; P. Aucuparia fol. luteo-variegatis.
Planted, 1896. Hardy.
- 1673.—**P. Aucuparia fifiana**.
Planted, 1896. Hardy.
P. Aucuparia fol. luteo-variegatis = P. Aucuparia foliis aureis.
- 1674.—**P. Aucuparia fructu dulci**.
Planted, 1897. Hardy.
- 1675.—**P. Aucuparia fructu luteo**. Yellow-fruited European Mountain Ash.
Planted, 1894. Hardy.
P. Aucuparia lanuginosa = P. lanuginosa, DC.
- 1676.—**P. Aucuparia moravica**.
Planted, 1899.
- 1677.—**P. Aucuparia pendula**. Weeping European Mountain Ash.
Planted, 1889. Hardy.
- 1678.—**P. Aucuparia pendula fol. variegatis**.
Planted, 1899.
- 1679.—**P. Aucuparia rossica**.
Planted, 1899.
- 1680.—**P. Aucuparia satureifolia**.
Planted, 1896. Hardy.
- 1681.—**P. Aucuparia variegata**.
Planted, 1894. Hardy.
P. domestica, Sm. = P. Sorbus, Gaertn.
- 1682.—**P. glabrata**, HORT.
Planted, 1896. Hardy.

PYRUS—Continued.**SORBUS**—MOUNTAIN ASH, &c.—Concluded.

- 1683.—**P. heterophylla**, RCHB. (**P. arbutifolia** x **Aucuparia**.)
Planted, 1897. Hardy.
- 1684.—**P. Hostii**, K. KOCH.
Planted, 1896. Hardy.
- 1685.—**P. hybrida**, L.
Planted, 1894. Hardy.
- 1686.—**P. lanuginosa**, DC. Eastern Europe.
Syn., *P. Aucuparia lanuginosa*.
Planted, 1898.
- 1687.—**P. latifolia**, PERS. (**P. Terminalis** x **Aria**.)
Planted, 1897. Hardy.
- 1688.—**P. monstrosa macrocarpa**.
Planted, 1891. Hardy.
- 1689.—**P. Mougeoti**, GODE.
Planted, 1896. Hardy.
P. nepalensis, Hort. = *P. vestita*, Wall.
- 1690.—**P. neuillyensis**, DIPP. (**P. Aucuparia** x **hybrida** ?)
Planted, 1896. Hardy.
- 1691.—**P. obtusata**, HORT.
Planted, 1896. Hardy.
- 1692.—**P. sambucifolia**, CHAM. North-eastern Asia and North-west America.
Planted, 1899.
- 1693.—**P. Sorbus**, GAERTN. Service Tree. Europe.
Syn., *P. domestica*, Sm.
Planted, 1896. Tender.
- 1694.—**P. thianschanica**, REGEL. Eastern Asia.
Planted, 1899.

ADENORACHIS—CHOKE-BERRY.

- 1695.—**P. arbutifolia**, L. fil. Choke Berry. North America.
Syn., *P. arbutifolia erythrocarpa*.
Planted, 1889. Hardy.
P. arbutifolia erythrocarpa = *P. arbutifolia*, L. fil.
- 1696.—**P. arbutifolia grandiflora**.
Planted, 1889. Hardy.
P. arbutifolia melanocarpa = *P. nigra*, Willd.
- 1697.—**P. arbutifolia melanocarpa glabrescens**.
Planted, 1896. Hardy.
- 1698.—**P. arbutifolia serotina**.
Planted, 1889. Hardy.
P. melanocarpa, Willd. = *P. nigra*, Sargent.
- 1699.—**P. nigra**, SARGENT. North America.
Syn., *P. arbutifolia melanocarpa*; *P. melanocarpa*, Willd.
Planted, 1889. Hardy.
- 1700.—**P. cathayensis**, HEMSLE. China.
Syn., *Cydonia sinensis*, Thoun.
Planted, 1897. Tender.

PYRUS—Continued.**CYDONIA**—QUINCE.

- 1701.—**P. Cydonia**, L. Common Quince. Native country unknown.
Syn., *Cydonia vulgaris*, Pers.
Planted, 1897. Hardy. It is doubtful if this will continue to prove hardy.
- 1702.—**P. Cydonia marmorata**.
Planted, 1899.
- 1703.—**P. Cydonia pygmaea**.
Planted, 1897. Half hardy.
- 1704.—**P. japonica**, THUNB. Japanese Quince. China and Japan.
Planted, 1889. Half hardy.
- 1705.—**P. japonica alba grandiflora plena**.
Planted, 1898.
- 1706.—**P. japonica albo-rosea**.
Planted, 1899.
- 1707.—**P. japonica alba semiplena**.
Planted, 1897. Half hardy.
- 1708.—**P. japonica atrococcinea plena**.
Planted, 1897. Half hardy.
- 1709.—**P. japonica atrosanguinea plena**.
Planted, 1897. Half hardy.
- 1710.—**P. japonica Aurora**.
Planted, 1897. Half hardy.
- 1711.—**P. japonica Baltzi**.
Planted, 1897. Half hardy.
- 1712.—**P. japonica cardinalis**.
Planted, 1897. Died. Re-planted, 1899.
- 1713.—**P. japonica eximia**.
Planted, 1887. Half hardy.
- 1714.—**P. japonica flore albo**.
Planted, 1897. Half hardy.
- 1715.—**P. japonica flore kermesino**.
Planted, 1897. Half hardy.
- 1716.—**P. japonica fol. rubris**.
Planted, 1897. Half hardy.
- 1717.—**P. japonica grandiflora**.
Planted, 1897. Half hardy.
- 1718.—**P. japonica kermesina semiplena**.
Planted, 1897. Half hardy.
- 1719.—**P. japonica macrocarpa**.
Planted, 1897. Tender.
- 1720.—**P. japonica marmorata**.
Planted, 1897. Half hardy.
P. japonica Maulei = *P. Maulei*, Mast.
- 1721.—**P. japonica Moerloosi**.
Planted, 1897. Half hardy.
- 1722.—**P. japonica multiflora**.
Planted, 1897. Half hardy.
- 1723.—**P. japonica nivalis**.
Planted, 1897. Half hardy.
- 1724.—**P. japonica nivea intus kermesina**.
Planted, 1897. Half hardy.

PYRUS—Concluded.**CYDONIA—QUINCE—Concluded.**

- 1725.—**P. japonica rosea grandiflora semiplena.**
Planted, 1887. Half hardy.
- 1726.—**P. japonica rosea plena.**
Planted, 1897. Half hardy.
- 1727.—**P. japonica rosea alba.**
Planted, 1897. Half hardy.
- 1728.—**P. japonica sanguinea multiflora.**
Planted, 1897. Half hardy.
- 1729.—**P. japonica sanguinea semiplena.**
Planted, 1897. Half hardy.
- 1730.—**P. japonica Simoni.**
Planted, 1897. Half hardy.
- 1731.—**P. japonica Simoni lutescens.**
Planted, 1899.
- 1732.—**P. japonica umbilicata.**
Planted, 1897. Half hardy.
- 1733.—**P. japonica versicolor.**
Planted, 1897. Half hardy.
- 1734.—**P. japonica versicolor lutescens.**
Planted, 1897. Half hardy.
- 1735.—**P. Maulei**, MAST. Maule's Japanese Quince. Japan.
Syn., *P. japonica Maulei*.
Planted, 1896. Hardy.
- 1736.—**P. Maulei superba.**
Planted, 1899.

MESPILUS—MEDLAR.

- 1737.—**P. germanica.** HOOK. FIL. Europe, Asia.
Planted, 1897. Half hardy.
- 1738.—**P. germanica fol. argenteis variegatis.**
Planted, 1897. Half hardy.

QUERCUS—OAK.**QUERCINEAE.**

- 1739.—**Q. acuta**, THUNB. Japan.
Planted, 1897. Winter killed.
Q. ajudaghiensis dissecta, Hort. = *Q. lanuginosa dissecta*, Thuill.
- 1740.—**Q. alba**, L. White Oak. North America.
Planted, 1896. Hardy.
- 1741.—**Q. alba elongata.**
Planted, 1898.
Q. ambigua, Michx. = *Q. rubra*, L.
Q. apennina, Lam. = *Q. pedunculata apennina*.
Q. aquatica, Walt. = *Q. nigra*, L.
Q. Banisteri, Michx. = *Q. ilicifolia*, Wangerh.
- 1742.—**Q. bicolor**, WILLD. Swamp White Oak. North America.
Syn., *Q. tomentosa*, Kirchn.
Planted, 1897. Hardy.

QUERCUS—OAK—Continued.**QUERCINEAE—Continued.**

- 1743.—**Q. brutica**, TEN. Europe.
Planted, 1899.
Q. Castanea, Hort. = *Q. Prinus*, L.
- 1744.—**Q. Cerris**, L. Turkey Oak. South and Eastern Europe, Asia Minor.
Planted, 1896. Winter killed.
- 1745.—**Q. Cerris austriaca sempervirens.**
Planted, 1899.
- 1746.—**Q. Cerris cana minor.**
Planted, 1898.
- 1747.—**Q. Cerris crispa.**
Planted, 1898.
- 1748.—**Q. Cerris karlsruhensis.**
Planted, 1896. Tender.
- 1749.—**Q. coccinea**, MUENCH. Scarlet Oak. North America.
Planted, 1896. Hardy.
- 1750.—**Q. conferta**, KIT. Hungarian Oak. Italy to Hungary.
Planted, 1896. Half hardy.
- 1751.—**Q. cordata**, MAST. & GAL. Mexico.
Planted, 1893. Hardy.
- 1752.—**Q. crispula**, BLUME. Japan.
Planted, 1896. Winter killed.
- 1753.—**Q. crispula grosseserrata.**
Syn., *Q. grosseserrata*, Blume.
Planted, 1896. Half hardy.
- 1754.—**Q. cuneata**, WANGENH. United States.
Syn., *Q. falcata*, Michx.
Planted, 1897. Half hardy.
- 1755.—**Q. cuspidata**, THUNB. Japan.
Planted, 1897. Winter killed.
- 1756.—**Q. dentata**, THUNB. Japan.
Planted, 1897. Hardy.
Q. dschorochensis, C. Koch. = *Q. sessiliflora dschorochensis*.
Q. falcata, Michx. = *Q. cuneata*, Wangerh.
- 1757.—**Q. glandulifera**, BLUME. Japan.
Planted, 1896. Winter killed.
- 1758.—**Q. Gambelii**, NUTT. Colorado.
Planted, 1899.
- 1759.—**Q. glauca**, THUNB. Japan.
Planted, 1897. Tender.
- 1760.—**Q. glauca variegata.**
Planted, 1897. Winter killed.
Q. grosseserrata, Blume = *Q. crispula grosseserrata*.
Q. Haas, Kolschy = *Q. pedunculata* Haas.
Q. hartwissiana, Stev. = *Q. lanuginosa*, Thuill.
- 1761.—**Q. Ilex**, L. Evergreen Oak. Mediterranean region.
Planted, 1895. Winter killed.
- 1762.—**Q. ilicifolia**, WANGENH. Bear or Scrub Oak. Eastern United States.
Syn., *Q. Banisteri*, Michx.
Planted, 1897. Half hardy.

QUERCUS—OAK—Continued.**QUERCINEAE**—Continued.

- 1763.—**Q. imbricaria**, MICHX. Shingle Oak. United States. Planted, 1893. Hardy.
- 1764.—**Q. lanuginosa**, THUILL. Europe, West Asia.
Syn., *Q. hartwissiana*, Stev.; *Q. pubescens*, Willd.
Planted, 1896. Half hardy.
- 1765.—**Q. lanuginosa dissecta**.
Syn., *Q. ajudaghensis dissecta*; *Q. Pseudo-aegilops*.
Planted, 1896. Half hardy.
- 1766.—**Q. lusitanica**, LAM. South Europe, Asia Minor.
Planted, 1896. Winter killed. Re-planted, 1899.
- 1767.—**Q. lanuginosa altissima**.
Syn., *Q. pubescens altissima*.
Planted, 1896. Hardy.
- 1768.—**Q. lanuginosa Hentzei**.
Planted, 1898.
- 1769.—**Q. lanuginosa pendula**.
Syn., *Q. Pseudo-aegilops pendula*.
Planted, 1899.
- 1770.—**Q. lyrata**, WALT. Swamp, Overcup or Post Oak. Southern United States.
Planted, 1897. Tender.
- 1771.—**Q. macranthera**, FISCH. & MEY. Armenia.
Planted, 1896. Hardy.
- 1772.—**Q. macrocarpa**, MICHX. Mossy Cup Oak. North America.
Syn., *Q. ramosa*, Booth.
Planted, 1896. Hardy.
- 1773.—**Q. macrocarpa striata**.
Planted, 1899.
- 1774.—**Q. macrocarpa olivaeformis**.
Syn., *Q. olivaeformis*, Michx.
Planted, 1893. Hardy.
- 1775.—**Q. macrocarpa olivaeformis Hampteri**.
Planted, 1898.
- 1776.—**Q. macrophylla Albertsi**.
Planted, 1899.
- 1777.—**Q. Michauxii**, NUTT. Cow Oak, Basket Oak. Southern United States.
Planted, 1897. Half hardy.
- 1778.—**Q. Mirbeckii**, DUR. Spain, Portugal, North Africa.
Planted, 1898.
- 1779.—**Q. nigra**, L. Water Oak. Southern United States.
Syn., *Q. aquatica*, Walt.
Planted, 1897. Hardy.
Q. obtusiloba, Michx. = *Q. stellata*, Wangenh.
Q. olivaeformis, Michx. = *Q. macrocarpa olivaeformis*.

QUERCUS—OAK—Continued.**QUERCINEAE**—Continued.

- 1780.—**Q. palustris**, MUENCH. Swamp Oak, Pin Oak. United States.
Planted, 1893. Winter killed.
- 1781.—**Q. pedunculata**, EHRH. Common European Oak. Europe, Asia.
Syn., *Q. Robur pedunculata*.
Planted, 1893. Hardy.
- 1782.—**Q. pedunculata apennina**.
Syn., *Q. apennina*, Lam.
Planted, 1896. Half hardy.
- 1783.—**Q. pedunculata argenteo-marginata**.
Planted, 1897. Hardy.
- 1784.—**Q. pedunculata argenteo-picta**.
Planted, 1896. Hardy.
- 1785.—**Q. pedunculata asplenifolia gracilis**.
Planted, 1897. Hardy.
Q. pedunculata atropurpurea = *Q. pedunculata purpurascens*.
- 1786.—**Q. pedunculata aurea bicolor**.
Planted, 1896. Half hardy.
- 1787.—**Q. pedunculata cochleata**.
Planted, 1896. Hardy.
- 1788.—**Q. pedunculata comptoniifolia**.
Planted, 1896. Half hardy.
- 1789.—**Q. pedunculata Concordia**.
Syn., *Q. pedunculata foliis aureis*.
Planted, 1893. Hardy.
- 1790.—**Q. pedunculata crispa**.
Planted, 1896. Half hardy.
- 1791.—**Q. pedunculata cucullata fol. argenteis variegatis**.
Planted, 1897. Hardy.
- 1792.—**Q. pedunculata cuprea**.
Planted, 1896. Hardy.
Q. pedunculata Dauvesei, Hort. = *Q. pedunculata pendula*.
- 1793.—**Q. pedunculata elegans tricolor**.
Planted, 1896. Hardy.
- 1794.—**Q. pedunculata fastigiata**.
Syn., *Q. pyramidalis*, Gmel.
Planted, 1889. Half hardy.
- 1795.—**Q. pedunculata fastigiata cucullata**.
Planted, 1896. Half hardy.
- 1796.—**Q. pedunculata fastigiata cupressoides**.
Planted, 1896. Half hardy.
- 1797.—**Q. pedunculata fastigiata fol. aureo-punctatis**.
Planted, 1893. Half hardy.
- 1798.—**Q. pedunculata fastigiata Grangei**.
Planted, 1896. Half hardy.
- 1799.—**Q. pedunculata fastigiata viridis**.
Planted, 1896. Half hardy.
- 1800.—**Q. pedunculata foliis argenteis**.
Planted, 1896. Half hardy.
Q. pedunculata foliis aureis = *Q. pedunculata Concordia*.

QUERCUS—OAK—Continued.**QUERCINEAE**—Continued.

- 1801.—**Q. pedunculata** Furst Schwarzenberg.
Planted, 1896. Hardy.
- 1802.—**Q. pedunculata** Haas.
Syn., *Q. Haas, Kotschy.*
Planted, 1896. Hardy.
- 1803.—**Q. pedunculata heterophylla.**
Planted, 1896. Half hardy.
- 1804.—**Q. pedunculata heterophylla cucullata.**
Planted, 1896. Tender.
- 1805.—**Q. pedunculata heterophylla dissecta.**
Planted, 1896. Half hardy.
- 1806.—**Q. pedunculata heterophylla Hentzei.**
Planted, 1896. Half hardy.
- 1807.—**Q. pedunculata heterophylla lyrata punctata.**
Planted, 1897. Hardy.
Q. pedunculata Louettei = *Q. sessiliflora mespilifolia.*
- 1808.—**Q. pedunculata maculata.**
Planted, 1896. Half hardy. Winter killed. Re-planted, 1899.
- 1809.—**Q. pedunculata multicaulis.**
Planted, 1896. Hardy.
Q. pedunculata nigra = *Q. pedunculata purpurascens.*
- 1810.—**Q. pedunculata nigricans.**
Planted, 1898.
- 1811.—**Q. pedunculata oxyacanthifolia.**
Planted, 1899.
- 1812.—**Q. pedunculata pallida.**
Planted, 1899.
- 1813.—**Q. pedunculata pectinata.**
Planted, 1896. Half hardy.
- 1814.—**Q. pedunculata pendula.**
Syns., *Q. pedunculata Dauvessei*; *Q. pedunculata pendula Dauvessei.*
Planted, 1896. Half hardy.
Q. pedunculata pendula Dauvessei = *Q. pedunculata pendula.*
- 1815.—**Q. pedunculata pendula nova.**
Planted, 1897. Hardy.
- 1816.—**Q. pedunculata pendula pulverulenta.**
Planted, 1893. Half hardy.
- 1817.—**Q. pedunculata purpurascens.**
Syns., *Q. pedunculata atropurpurea*; *Q. pedunculata nigra.*
Planted, 1893. Half hardy.
- 1818.—**Q. pedunculata Thomasii.**
Syn., *Q. Thomasii, Ten.*
Planted, 1896. Half hardy.
- 1819.—**Q. pedunculata tricolor.**
Planted, 1896. Half hardy.
- 1820.—**Q. pedunculata umbraculifera Ligini.**
Planted, 1898.

QUERCUS—OAK—Continued.**QUERCINEAE**—Continued.

- 1821.—**Q. Phellos**, L. Willow Oak. United States.
Planted, 1897. Half hardy.
- 1822.—**Q. pinnatifida**, FRANCH. & SAV. Japan.
Planted, 1897. Winter killed.
- 1823.—**Q. Prinus**, L. Rock Chestnut Oak. Eastern North America.
Syn., *Q. Castanea, Hort.*
Planted, 1893. Hardy.
- 1824.—**Q. Prinus acuminata.**
Planted, 1897. Hardy.
- 1825.—**Q. Prinus monticola parvifolia.**
Planted, 1896. Hardy.
Q. Pseudo-negilops, Hort. = *Q. lanuginosa, Thuill.*
- 1826.—**Q. Pseudo Turneri, Hort.**
Planted, 1899.
Q. pubescens, Willd. = *Q. lanuginosa, Thuill.*
Q. pyramidalis, Gmel. = *Q. pedunculata fastigiata.*
Q. pyrenaica, W. = *Q. Toza, Bosc.*
Q. ramosa, Booth = *Q. macrocarpa, Michx.*
Q. Robur, L. = *Q. pedunculata, Ehrh.*
Q. rubens, Hort. = *Q. sessiliflora, Salisb.*
- 1827.—**Q. rubra**, L. Red Oak. North America.
Planted, 1889. Hardy.
- 1828.—**Q. rubra aurea.** Golden-leaved Red Oak.
Planted, 1896. Hardy.
- 1829.—**Q. serrata**, THUNB. Japanese Silkworm Oak. China, Japan.
Planted, 1897. Half hardy.
- 1830.—**Q. sessiliflora**, SALISB. Europe, W. Asia.
Syn., *Q. rubens, Hort.*
Planted, 1898.
- 1831.—**Q. sessiliflora acuminata.**
Planted, 1897. Hardy.
- 1832.—**Q. sessiliflora alnoides.**
Planted, 1896. Half hardy.
- 1833.—**Q. sessiliflora cochleata.**
Planted, 1898.
- 1834.—**Q. sessiliflora dschorochensis.**
Syn., *Q. dschorochensis, C. Koch.*
Planted, 1896. Half hardy.
- 1835.—**Q. sessiliflora Esculus.**
Planted, 1896. Hardy.
- 1836.—**Q. sessiliflora falkenbergensis.**
Planted, 1898.
- 1837.—**Q. sessiliflora Giesleri.**
Planted, 1896. Hardy.
- 1838.—**Q. sessiliflora longifolia hybrida.**
Planted, 1898.
Q. sessiliflora Louettei = *Q. sessiliflora mespilifolia.*
- 1839.—**Q. sessiliflora macrocarpa.**
Planted, 1897. Hardy.

QUERCUS—OAK—Concluded.**QUERCINEAE**—Concluded.

- 1840.—**Q. sessiliflora mespilifolia.**
Syns., *Q. pedunculata Louettei*; *Q. sessiliflora Louettei*.
Planted, 1896. Half hardy.
- 1841.—**Q. sessiliflora pubescens.**
Planted, 1897. Hardy.
Q. sessiliflora purpurea = *Q. sessiliflora rubicunda*.
- 1842.—**Q. sessiliflora rubicunda.**
Syn., *Q. sessiliflora purpurea*.
Planted, 1896. Half hardy.
- 1843.—**Q. sessiliflora variet.**
Planted, 1896. Hardy.
Q. sieboldiana, Blume = *Q. thalassica*, Hance.
- 1844.—**Q. species e Nikita.**
Planted, 1896. Tender.
- 1845.—**Q. stellata**, WANGENH. Post or Iron Oak.
United States.
Syn., *Q. obtusiloba*, Michx.
Planted, 1897. Tender.
- 1846.—**Q. thalassica**, HANCE. Japan.
Syn., *Q. sieboldiana*, Blume.
Planted, 1898.
Q. Thomasii, Ten. = *Q. pedunculata Thomasii*.
Q. tinctoria, Michx. = *Q. velutina*, Lam.
Q. tomentosa, Kirchn. = *Q. bicolor*, Willd.
- 1847.—**Q. Toza**, BOSC. South Western Europe.
Syn., *Q. pyrenaica*, W.
Planted, 1898.
- 1848.—**Q. Toza comata.**
Planted, 1898.
- 1849.—**Q. Toza comata pendula.**
Planted, 1896. Tender.
- 1850.—**Q. velutina**, LAM. Black Oak. North America.
Syn., *Q. tinctoria*, Michx.
Planted, 1893. Hardy.
- 1851.—**Q. ventricosa**, BOOTH.
Planted, 1896. Hardy.
QUINCE. See PYRUS.

RAPHIOLEPIS.

- 1852.—**R. japonica**, SIER. & ZUCC. Japan.
Syn., *R. ovata*, Hort.
Planted, 1897. Winter killed.
R. ovata, Hort. = *R. japonica*, Sieb. & Zucc.
RASPBERRY. See RUBUS.
REDBUD. See CERCIS.

RHAMNUS—BUCKTHORN.

- 1853.—**R. Alaternus variegata.**
Planted, 1895. Winter killed.

RHAMNUS—BUCKTHORN—Concluded.

- 1854.—**R. alnifolia**, L'HERIT. Alder-leaved Buckthorn. Canada. United States.
Syn., *R. franguloides*, Michx.
Planted, 1897. Hardy.
- 1855.—**R. alpina**, L. Alps.
Planted, 1896. Hardy.
- 1856.—**R. alpina grandifolia.**
Planted, 1898.
- 1857.—**R. californica**, ESCHSCH. California.
Planted, 1899.
- 1858.—**R. caroliniana**, WALT. Carolina Buckthorn. Southern United States.
Planted, 1899.
- 1859.—**R. cathartica**, L. Common Buckthorn. Europe, Asia.
Syn., *R. cathartica Wicklia*.
Planted, 1890. Hardy.
R. cathartica dahurica = *R. davurica*, Pall.
R. cathartica Wicklia = *R. cathartica*, L.
R. chlorophora, Dcne. = *R. tinctoria*, Waldst. & Kit.
- 1860.—**R. crenata**, SIEB. & ZUCC. Japan.
Planted, 1896. Hardy.
- 1861.—**R. davurica**, PALL. Siberia to China.
Syns., *R. utilis*, Dcne.; *R. cathartica dahurica*, Maxim.
Planted, 1899.
- 1862.—**R. Frangula**, L. Alder Buckthorn. Europe.
Planted, 1890. Hardy.
- 1863.—**R. Frangula asplenifolia.**
Planted, 1896. Hardy.
R. franguloides, Michx. = *R. alnifolia*, L'Herit.
- 1864.—**R. hybrida** Billardi.
Planted, 1899.
- 1865.—**R. imerthina.**
Planted, 1895. Half hardy.
- 1866.—**R. infectoria**, L. South Europe.
Planted, 1896. Hardy.
- 1867.—**R. japonica**, MAXIM. Japan.
Planted, 1894. Hardy.
- 1868.—**R. purshiana**, DC. California to British Columbia.
Planted, 1899.
- 1869.—**R. upestris**, SCOP. Eastern Europe.
Planted, 1898.
- 1870.—**R. saxatilis**, L. Europe.
Planted, 1898.
- 1871.—**R. tinctoria**, WALDST. & KIT. Europe Asia.
Syn., *R. chlorophora*, Dcne.
Planted, 1896. Hardy.
R. utilis, Dcne. = *R. davurica*, Pall.

RHODODENDRON.**AZALEASTRUM.**

- 1872.—**R. albiflorum**, HOOK. Northern Rocky Mountains, Oregon, and British Columbia.
Planted, 1896. Winter killed.

AZALEA.

- R. amoenum*, Planch. = *R. indicum amoenum*.
1873.—**R. calendulaceum**, TORR. Pennsylvania to Georgia.
Planted, 1896. Hardy.
1874.—**R. dauricum**, L. Dahuria to Mandshuria.
Planted, 1898.
1875.—**R. indicum**, SWEET. China and Japan.
Planted, 1896. Half hardy.
1876.—**R. indicum Kaempferi**.
Planted, 1896. Hardy.
1877.—**R. ledifolium**, G. DON. Japan and China.
Syn., *R. mucronatum*.
Planted, 1896. Hardy.
R. mucronatum = *R. ledifolium*, G. Don.
1878.—**R. nudiflorum**, TORR. Canada to Florida and Texas.
Planted, 1898. Hardy.
1879.—**R. rhombicum**, MIQ. Japan.
Planted, 1896. Tender.
1880.—**R. sinense**, SWEET. China and Japan.
Planted, 1896. Hardy.
1881.—**R. viscosum**, TORR. North America.
Planted, 1896. Hardy.

EURHODODENDRON.

- 1892.—**R. arbutifolium**, HORT.
Planted, 1898.
1883.—**R. ferrugineum**, L. Alps of Europe.
Planted, 1898.
1884.—**R. ferrugineum album**.
Planted, 1898.
1885.—**R. hirsutum**, L. Alps of Europe.
Planted, 1898.
1886.—**R. maximum**, L. North America.
Planted, 1896. Hardy.
1887.—**R. myrtifolium**, LODD. Garden origin.
Planted, 1898.
1888.—**R. ponticum**, L. Spain, Portugal, Asia Minor.
Planted, 1896. Winter killed.
1889.—**R. praecox**, CARR. Garden origin.
Planted, 1898.
1890.—**R. gowenianum**, SWEET. Garden origin.
Planted, 1898.

RHODOTYPOS.

- 1891.—**R. kerrioides**, SIEB. & ZUCC. China and Japan.
Planted, 1897. Half hardy.

RHUS—SUMACH.

- 1892.—**R. aromatica**, L. Fragrant Sumach. United States. Eastern Canada.
Planted, 1893. Hardy.
1893.—**R. copallina**, L. Dwarf Sumach. United States, Ontario.
Planted, 1899.
R. coriaria, Hort. = *R. typhina*, L.
1894.—**R. cotinoides**, NUTT. American Smoke Tree. Southern United States.
Planted, 1895. Hardy.
1895.—**R. Cotinus**, L. Smoke Tree. Europe.
Planted, 1890. Half hardy. Some specimens hardy.
1896.—**R. Cotinus atropurpurea**.
Planted, 1899. Half hardy.
1897.—**R. Cotinus pendula**.
Planted, 1896. Hardy.
1898.—**R. glabra**, L. Smooth Sumach. Canada, United States.
Planted, 1897. Hardy.
1899.—**R. glabra laciniata**.
Planted, 1898. Half hardy on other parts of the grounds.
1900.—**R. Osbeckii**, DC. China and Japan.
Planted, 1897. Tender.
1901.—**R. Toxicodendron**, L. Poison Ivy. North America and Japan.
Growing naturally. Hardy.
1902.—**R. trilobata**, NUTT. Ill-scented Sumach. Western North America.
Planted, 1896. Half hardy.
1903.—**R. typhina**, L. Staghorn Sumach. Eastern Canada and United States.
Syn., *R. coriaria*, Hort.
Planted, 1890. Hardy.

RIBES—CURRANT, GOOSEBERRY.

- R. affine*, Dougl. = *R. laxiflorum*, Pursh.
R. albidum Paxt. = *R. sanguineum albidum*.
1904.—**R. alpinum**, L. Mountain Currant. Northern Hemisphere.
Planted, 1890. Hardy.
1905.—**R. alpinum feminum**.
Planted, 1898.
1906.—**R. alpinum masculum**.
Planted, 1898.
1907.—**R. alpinum microphyllum**.
Planted, 1898.
1908.—**R. alpinum pumilum**.
Planted, 1898.
1909.—**R. alpinum pumilum aureum**.
Planted, 1899.
1910.—**R. alpinum sterile**.
Syn., *R. sterile*, Hort.
Planted, 1896. Hardy.
1911.—**R. americanum**, MILL. Wild Black Currant. North America.
Syn., *R. floridum*, L'Herit.
Planted, 1896. Hardy.

RIBES—Continued.

- 1912.—**R. aureum**, PURSH. Missouri Currant.
Western North America
Planted, 1896. Hardy.
- 1913.—**R. aureum acerifolium**.
Planted, 1896. Hardy.
- 1914.—**R. aureum fructu rubro**.
Planted, 1896. Hardy.
- 1915.—**R. aureum ginkgifolium**.
Planted, 1896. Hardy.
- 1916.—**R. aureum leiobotrys**.
Planted, 1896. Hardy.
- 1917.—**R. aureum praecox**.
Planted, 1896.
- 1918.—**R. aureum tenuiflorum**.
Planted, 1899.
- 1919.—**R. bracteosum**, DOUGL. Western North America.
Planted, 1896. Tender.
R. caucasicum, Bieb. = *R. petraeum*, Wulf.
- 1920.—**R. cereum**, DOUGL. White-flowered Currant. Western United States.
Planted, 1899.
- 1921.—**R. Cynosbati**, L. Wild Gooseberry.
Eastern Canada and United States.
Planted, 1898. Hardy.
- 1922.—**R. Cynosbati x Warrington**, SAUNDERS.
Planted, 1895. Hardy.
- 1923.—**R. diacantha**, PALL. Siberia.
Planted, 1895. Hardy.
- 1924.—**R. divaricatum**, DOUGL. Western North America.
Planted, 1896. Half hardy.
- 1925.—**R. fasciculatum**, SIEB. & ZUCC. Japan.
Planted, 1899.
R. floridum, L'Herit. = *R. americanum*, Mill.
- 1926.—**R. gracile**, MICHX. Missouri Gooseberry.
North America.
Syn., *R. niveum*, Lindl.
Planted, 1896. Hardy.
- 1927.—**R. gordonianum**, LEM. (**R. sanguineum x aureum**). Garden origin.
Planted, 1896. Half hardy.
- 1928.—**R. Grossularia**, L. Common Gooseberry,
Garden Gooseberry,
Planted, 1899.
- 1929.—**R. intermedium**, HORT.
Planted, 1896. Hardy.
R. irriguum, Dougl. = *R. oxyacanthoides*, L.
North America.
- 1930.—**R. lucustre**, POIR. Swamp Gooseberry.
North America.
Planted, 1896. Half hardy.
- 1931.—**R. laxiflorum**, PURSH. Western United States.
Syn., *R. affine*, Dougl.
Planted, 1899.
R. macrobotrys, Hort. = *R. petraeum*, Wulf.

RIBES—Concluded.

- 1932.—**R. Menziesii**, PURSH. California.
Planted, 1899.
- 1933.—**R. nigrum**, L. Black Currant. North Europe, North Asia.
Planted, 1897. Hardy.
- 1934.—**R. nigrum aconitifolium**.
Planted, 1896. Hardy.
- 1935.—**R. nigrum apiifolium**.
Planted, 1896. Hardy.
- 1936.—**R. nigrum fol. aureis variegatis**.
Planted, 1897. Hardy.
- 1937.—**R. nigrum fructu luteo**.
Planted, 1896. Hardy.
- 1938.—**R. nigrum heterophyllum**.
Planted, 1897. Hardy.
R. niveum, Lindl. = *R. gracile*, Michx.
- 1939.—**R. oxyacanthoides**, L. Hawthorn or Northern Gooseberry. North America.
Syn., *R. irriguum*, Dougl.
Planted, 1896. Hardy.
- 1940.—**R. petraeum**, WULF. Europe.
Syn., *R. macrobotrys*, Hort.
Planted, 1896. Hardy.
- 1941.—**R. prostratum**, L'HERIT. Fetid Currant.
North America.
Planted, 1896. Hardy.
- 1942.—**R. robustum**, HORT. Origin unknown.
Planted, 1899.
- 1943.—**R. rotundifolium**, MICHX. Eastern Wild Gooseberry. Eastern United States.
Planted, 1896. Hardy.
- 1944.—**R. rubrum**, L. Red Currant. Northern Hemisphere.
Planted, 1896. Hardy.
- 1945.—**R. rubrum fol. aureo-marginatis**.
Planted, 1897. Hardy.
- 1946.—**R. sanguineum**, PURSH. British Columbia, California.
Planted, 1897. Tender.
- 1947.—**R. sanguineum albidum**.
Syn., *R. albidum*, Paxt.
Planted, 1898.
- 1948.—**R. sanguineum carneum**.
Syn., *R. sanguineum carneum grandiflorum*.
Planted, 1897. Tender.
R. sanguineum carneum grandiflorum = *R. sanguineum carneum*.
- 1949.—**R. sanguineum flore pleno**.
Planted, 1897. Tender.
- 1950.—**R. sanguineum fontenayense**.
Planted, 1898.
- 1951.—**R. stenocarpum**, MAXIM. China.
Planted, 1899.
R. sterile, Hort. = *R. alpinum sterile*.
Planted, 1896. Hardy.
- 1952.—**R. striatum**.
Planted, 1896. Hardy.

ROBINIA—LOCUST-TREE.

- 1953.—*R. hispida*, L. Rose Acacia. South United States.
Planted, 1896. Half hardy.
- 1954.—*R. hispida macrophylla*.
Planted, 1896. Half hardy.
- 1955.—*R. neo-mexicana*, A. GRAY. Mexico.
Planted, 1895. Hardy.
- 1956.—*R. Pseudacacia*, L. Locust-tree or False Acacia. Eastern United States.
Planted, 1890. Hardy.
- 1957.—*R. Pseudacacia amorphifolia*.
Planted, 1897. Hardy.
- 1958.—*R. Pseudacacia amorphifolia angustifolia elegans*.
Planted, 1896. Hardy.
- 1959.—*R. Pseudacacia aurea*.
Planted, 1897. Hardy.
- 1960.—*R. Pseudacacia bessoniana*.
Planted, 1897. Hardy.
- 1961.—*R. Pseudacacia Camuseti*.
Planted, 1899.
- 1962.—*R. Pseudacacia caroliniana*.
Planted, 1899.
- 1963.—*R. Pseudacacia coluteoides*.
Planted, 1898.
- 1964.—*R. Pseudacacia crispa*.
Planted, 1897. Hardy.
- 1965.—*R. Pseudacacia cylindrica*.
Planted, 1897. Hardy.
- 1966.—*R. Pseudacacia decaisneana*.
Planted, 1897. Died. Re-planted, 1899.
- 1967.—*R. Pseudacacia dubia*.
Planted, 1897. Died. Re-planted, 1899.
- 1968.—*R. Pseudacacia echinata*.
Planted, 1897. Half hardy.
- 1969.—*R. Pseudacacia fastigiata*.
Syn., *R. Pseudacacia pyramidalis*.
Planted, 1897. Tender.
- 1970.—*R. Pseudacacia fol. argenteis variegatis*. Silver-leaved Locust.
Planted, 1899.
- 1971.—*R. Pseudacacia formosissima*.
Planted, 1897. Hardy.
- 1972.—*R. Pseudacacia glaucescens*.
Planted, 1897. Half hardy.
- 1973.—*R. Pseudacacia Gonduini*.
Planted, 1897. Died. Re-planted, 1899.
- 1974.—*R. Pseudacacia heterophylla*.
Planted, 1897. Died. Re-planted, 1899.
- 1975.—*R. Pseudacacia inermis*.
Planted, 1897. Hardy.
- 1976.—*R. Pseudacacia inermis latifolia*.
Planted, 1899.
- 1977.—*R. Pseudacacia monophylla fastigiata*.
Planted, 1897. Half hardy.
- 1978.—*R. Pseudacacia monophylla pendula*.
Planted, 1899.

ROBINIA—LOCUST-TREE—Concluded.

- 1979.—*R. Pseudacacia monstrosa*.
Planted, 1897. Died. Re-planted, 1899.
- 1980.—*R. Pseudacacia myrtifolia*.
Planted, 1897. Half hardy.
- 1981.—*R. Pseudacacia patula*.
Planted, 1897. Died. Re-planted, 1899.
- 1982.—*R. Pseudacacia pendula*.
Planted, 1897. Hardy.
- 1983.—*R. Pseudacacia pendulifolia*.
Planted, 1898.
- 1984.—*R. Pseudacacia pendulifolia purpurea*.
Planted, 1897. Hardy.
R. Pseudacacia pyramidalis=*R. Pseudacacia fastigiata*.
- 1985.—*R. Pseudacacia robusta Vignei*.
Planted, 1897. Died. Re-planted, 1899.
- 1986.—*R. Pseudacacia rosea*.
Planted, 1897. Hardy.
- 1987.—*R. Pseudacacia semperflorens*.
Planted, 1896. Hardy.
- 1988.—*R. Pseudacacia stricta*.
Planted, 1897. Hardy.
- 1989.—*R. Pseudacacia tortuosa*.
Syn., *R. tortuosa*, Hoffmgg.
Planted, 1896. Half hardy.
- 1990.—*R. Pseudacacia tortuosa elegans*.
Planted, 1897. Hardy.
- 1991.—*R. Pseudacacia tortuosa microphylla*.
Planted, 1897. Hardy.
- 1992.—*R. Pseudacacia ulriciana*.
Planted, 1897. Hardy.
R. tortuosa, Hoffmgg. = *R. Pseudacacia tortuosa*.
- 1993.—*R. viscosa*, VENT. Clammy Locust.
South United States.
Planted, 1894. Hardy.
- 1994.—*R. viscosa bella rosea*.
Planted, 1897. Hardy.
ROCK-ROSE. See HELIANTHEMUM.

ROSA—ROSE.

- 1995.—*R. acicularis*, LINDL. Prickly Rose.
Siberia.
Planted, 1897. Hardy.
- 1996.—*R. agrestis*, SAVI. Europe.
Planted, 1899.
- 1997.—*R. alba*, L. (? *R. canina* x *gallica*).
Europe.
Planted, 1897. Hardy.
- 1998.—*R. alpina*, L. Europe.
Planted, 1897. Hardy.
- 1999.—*R. arkansana*, PORTER. Arkansas Rose.
Canada, United States.
Planted, 1898.
R. Bakeri=*R. canina Bakeri*.

ROSA—ROSE—*Continued.*

- 2000.—**R. blanda**, AIT. Smooth or Meadow Rose. North America. Planted, 1896. Hardy.
- 2001.—**R. beggeriana**, SCHRENK. Asia. Planted, 1897. Hardy.
- 2002.—**R. bracteata**, WENDL. China. Planted, 1897. Winter killed.
- 2003.—**R. californica**, CHAM. & SCHLECHT. Western North America. Planted, 1899.
- 2004.—**R. canina**, L. Dog Rose. North Temperate Zone. Planted 1899.
- 2005.—**R. canina arvensis**. Planted, 1899.
- 2006.—**R. canina Bakeri**.
Syn., *R. Bakeri*.
Planted, 1896. Half hardy.
- 2007.—**R. canina macrantha**.
Syn., *R. macrantha*, Desf.
Planted, 1897. Hardy.
- 2008.—**R. carolina**, L. Swamp Rose. North America. Planted, 1897. Hardy.
- 2009.—**R. cinnamomea**, L. Cinnamon Rose. North Temperate Zone. Planted, 1894. Hardy.
- 2010.—**R. cinnamomea kamtschatica**.
Syn., *R. kamtschatica*, Vent.
Planted, 1897. Hardy.
- 2011.—**R. cinnamomea sibirica**. Planted, 1897. Hardy.
- 2012.—**R. ferruginea**, VILL. Purple-leaved Rose. Mountains of Europe.
Syn., *R. rubrifolia*, Vill.
Planted, 1895. Hardy.
- 2013.—**R. ferruginea livida**. Planted, 1894. Hardy.
- 2014.—**R. glauca**, VILL. Europe. Planted, 1897. Hardy.
- 2015.—**R. indica Sieboldii**. Planted, 1897. Winter killed.
- 2016.—**R. Jundzilli**, BESSER. Europe. Planted, 1899.
R. kamtschatica, Vent. = *R. cinnamomea kamtschatica*.
- 2017.—**R. laevigata**, MICHX. China. Planted, 1897. Winter killed.
- 2018.—**R. lucida**, EHRH. North America. Planted, 1894. Hardy.
- 2019.—**R. lucida grandiflora**. Planted, 1899.
R. macrantha, Desf. = *R. canina macrantha*.
- 2020.—**R. Mary Arnott**. (*R. rugosa* x *Prince Camille de Rohan*). Planted, 1897. Half hardy.
- 2021.—**R. microphylla**, ROXB. China. Planted, 1897. Hardy.

ROSA—ROSE—*Continued.*

- 2022.—**R. multiflora**, THUNB. China and Japan.
Syn., *R. polyantha*, Sieb.
Planted, 1893.
- 2023.—**R. multiflora japonica**. Planted, 1896. Hardy.
- 2024.—**R. nitida**, WILLD. North-eastern Rose. North America. Planted, 1899.
- 2025.—**R. nutkana**, PRESL. North America. Planted, 1899.
- 2026.—**R. omissa**, DESEGL. Europe. Planted, 1899.
R. pimpinellifolia, L. = *R. spinosissima*, L.
- 2027.—**R. Pissardi**. Planted, 1895. Winter killed. Re-planted, 1899.
R. polyantha, Sieb. = *R. multiflora*, Thunb.
- 2028.—**R. pomifera**, HERRM. Europe. Planted, 1899.
- 2029.—**R. repens**, SCOP. Europe. Planted, 1899.
- 2030.—**R. repens Andersoni**. Planted, 1899.
- 2031.—**R. repens capreolata**. Planted, 1899.
- 2032.—**R. rubiginosa**, L. Sweetbriar. Europe. Planted, 1889. Half hardy.
- 2033.—**R. rubiginosa major**. Planted, 1897. Hardy.
R. rubrifolia, Vill. = *R. ferruginea*, Vill.
- 2034.—**R. rugosa**, THUNB. Japanese Rose. Japan. Planted, 1889. Hardy.
- 2035.—**R. rugosa alba**. Planted, 1889. Hardy.
- 2036.—**R. rugosa flore pleno**. Planted, 1896. Hardy.
- 2037.—**R. rugosa hybrida Blanche Double de Coubert**. Planted, 1897. Hardy.
- 2038.—**R. rugosa Mikado**. Planted, 1899.
- 2039.—**R. rugosa. Souvenir de Chr. Cochet**. Planted, 1899.
- 2040.—**R. rugosa. Souvenir de F. Leperdrieux**. Planted, 1899.
- 2041.—**R. Sayi**, SCHVEIN. North America. Planted, 1897. Hardy.
- 2042.—**R. setigera**, MICHX. Prairie Rose. North America. Planted, 1896. Half hardy.
- 2043.—**R. spinosissima**, L. Burnet-leaved Rose. Europe and Siberia.
Syn., *R. pimpinellifolia*, L.
Planted, 1896. Half hardy.

ROSA—ROSE—*Concluded.*

- 2044.—**R. spinosissima altaica.**
Planted, 1899.
- 2045.—**R. spinosissima picta.**
Planted, 1897. Hardy.
- 2046.—**R. spinosissima pusilla.**
Planted, 1895. Hardy.
- 2047.—**R. stylosa**, DESV. South England.
Planted, 1899.
- 2048.—**R. tomentosa**, SM. Downy-leaved Rose.
Europe.
Planted, 1899.
- 2049.—**R. villosa pomifera.**
Planted, 1896. Hardy.
- 2050.—**R. watsoniana**, CREP. Japan.
Planted, 1896. Winter killed.
- 2051.—**R. wichuriana**, CREP. China and Japan.
Planted, 1896. Winter killed.
- 2052.—**R. Woodsii**, LINDL. North America.
Planted, 1896. Hardy.
- ROSE. See ROSA.
ROWAN TREE. See PYRUS.

RUBUS—RASPBERRY, BLACKBERRY, DEWBERRY.

- 2053.—**R. australis**, FORST. New Zealand.
Planted, 1899.
- 2054.—**R. balfourianus**, BLOX. Europe.
Planted, 1899.
- 2055.—**R. Bellardi**, WEIHE. Europe.
Planted, 1899.
- 2056.—**Rubus biflorus**, BUCHAN. Temperate
Himalaya.
Planted, 1899.
- 2057.—**R. caesius**, L. Europe.
Planted, 1899.
- 2058.—**R. caesius turkestanicus.**
Planted, 1899.
- 2059.—**R. corylifolius**, SM. Europe.
Planted, 1899.
- 2060.—**R. canadensis**, L. Low Running Black-
berry. Dewberry. North America.
Planted, 1899.
- 2061.—**R. crataegifolius**, BUNGE. North-east
Asia and Japan.
Planted, 1899.
- 2062.—**R. deliciosus**, JAMES. Rocky Mountains.
Planted, 1899.
R. fruticosus albus = *R. thyrsoides flore pleno*.
- 2063.—**R. fruticosus fol. variegatis.**
Planted, 1899.
- 2064.—**R. incisus**, THUNB. China and Japan
Planted, 1897. Tender.
- 2065.—**R. laciniatus**, WILLD. Garden origin.
Planted, 1897. Tender.
- 2066.—**R. longithyriger**, LEES. Britain.
Planted, 1899.

RUBUS—*Concluded.*

- 2067.—**R. melanolasius**, FOCKE. North America.
Planted, 1899.
- 2068.—**R. nobilis**, REGEL. (**R. odoratus x Idaeus**). Garden origin.
Planted, 1897. Tender.
- 2069.—**R. nutkanus**, Moc. White-flowering
Raspberry.
Planted, 1889. Tender.
- 2070.—**R. occidentalis**, L. Black Raspberry.
North-west America.
Planted, 1896. Hardy.
- 2071.—**R. odoratus**, L. Purple-flowering Rasp-
berry. North America.
Planted, 1889. Hardy.
- 2072.—**R. parvifolius**, L. China and Japan.
Syn., *R. triphyllus* Thunb.
Planted, 1896. Half hardy.
- 2073.—**R. phoenicolasius**, MAXIM. China and
Japan.
Planted, 1899.
- 2074.—**R. sorbifolius**, MAXIM. China and Japan.
Planted, 1899.
- 2075.—**R. suberectus**, ANDERS. Europe.
Planted, 1899.
- 2076.—**R. strigosus**, MICHX. North America.
Growing wild. Hardy.
- 2077.—**R. thyrsoides flore pleno.**
Syn., *R. fruticosus albus*.
Planted, 1897. Tender.
R. triphyllus, Thunb. = *R. parvifolius*, L.
- 2078.—**R. vestitus**, HORT.
Planted, 1899.
- 2079.—**R. villosus**, AIT. High Bush Blackberry.
North America.
Growing wild. Hardy.
- 2080.—**R. villosus flore pleno.**
Planted, 1897. Tender.
- 2081.—**R. xanthocarpus**, BUR. & FRANCH.
Planted, 1899.

SALIX—WILLOW.

- S. acuminata*, Sm. = *S. smithiana acuminata*.
- S. acutifolia*, Willd. = *S. daphnoides*, Vill.
Planted, 1896. Hardy.
- 2082.—**S. adenophylla**, HOOK. Furry Willow.
Labrador.
Planted, 1896. Hardy.
- 2083.—**S. alba**, L. White Willow. Europe,
Asia, North Africa.
Planted, 1899. Hardy.
- 2084.—**S. alba argentea**. Silvered White Wil-
low.
Syn., *S. regalis*, Hort.
Planted, 1897. Hardy.
- 2085.—**S. alba aurantiaca.**
Planted, 1896. Hardy.

SALIX—WILLOW—*Continued*—

- 2086.—**S. alba britzensis.**
Planted, 1896. Hardy.
- 2087.—**S. alba flava.** Yellow White Willow.
Planted, 1896. Hardy.
- 2088.—**S. alba nova.** New White Willow.
Planted, 1896. Hardy.
- 2089.—**S. alba pendula nova.** Pendulous White Willow.
Planted, 1899.
- 2090.—**S. alba purpurea.**
Planted, 1896. Hardy.
- 2091.—**S. alba vitellina.**
Planted, 1896. Hardy.
- 2092.—**S. alba vitellina flava.**
Planted, 1896. Hardy.
- 2093.—**S. alba vitellina nova.**
Planted, 1896. Hardy.
- 2094.—**S. ambigua,** EHRR. Europe.
Planted, 1899.
S. amplexicaulis, Bory, & Chamb. = S. purpurea, L.
- 2095.—**S. amygdalina discolor.**
Planted, 1899.
- 2096.—**S. amygdalina lurida.**
Planted, 1899.
- 2097.—**S. amygdalina pallida.**
Planted, 1899.
S. ansoniana, Forbes = S. nigricans ansoniana.
- 2098.—**S. argenteo-aurita,** HORT. (**S. alba x fragilis** ?).
Planted, 1896. Hardy.
- 2099.—**S. aurita x viminalis.** Europe.
Syn., S. fruticosa, Doell.
Planted, 1899.
- 2100.—**S. babylonica,** L. Babylonian Weeping Willow. Japan.
Planted, 1896. Hardy.
- 2101.—**S. babylonica annularis.** Annular Babylonian Willow.
Planted, 1890. Half hardy.
S. basfordiana, Salter = S. fragilis basfordiana.
- 2102.—**S. Bataviae,** HORT. (**S. nigricans forma** ?).
Planted, 1896. Hardy.
S. bicolor, Ehrh. = S. phyticifolia, L.
- 2103.—**S. blanda,** ANDERSS. (**S. babylonica x fragilis**).
Planted, 1896. Hardy.
S. britzensis = S. alba britzensis.
- 2104.—**S. caesia,** VILL. Grey-leaved Willow. Mountains of Switzerland, Tyrol, and South-western Europe.
Planted, 1899.
- 2105.—**S. caesia pendula Zabeli.**
Planted, 1896. Hardy.

SALIX—WILLOW—*Continued*—

- 2106.—**S. candida femina,** FLUEGGE. Hoary Willow. North America.
Planted, 1889. Hardy.
- 2107.—**S. candida, mascula.**
Planted, 1899.
- 2108.—**S. candicans,** HORT.
Planted, 1899.
- 2109.—**S. Caprea,** L. Goat Willow. Europe, North Asia.
Planted, 1899.
- 2110.—**S. Caprea pendula.** Kilmarnock Weeping Willow.
Planted, 1890. Half hardy.
- 2111.—**S. Caprea x cinerea.**
Planted, 1899.
- 2112.—**S. chlorophylla,** ANDERSS. North America.
Planted, 1896. Hardy.
- 2113.—**S. cinerea,** L. Europe, North and West Asia.
Planted, 1896. Hardy.
- 2114.—**S. cinerea aquatica.**
Planted, 1899.
- 2115.—**S. cinerea Medemii.**
Syn., S. Medemii, Boiss.
Planted, 1899.
- 2116.—**S. cinerea x acuminata.**
Planted, 1896. Hardy.
- 2117.—**S. cinerea-repens.**
Planted, 1896. Hardy.
- 2118.—**S. cinerea x viminalis.**
Planted, 1899.
- 2119.—**S. cordata,** MUHL. Heart-leaved Willow. Northern and Arctic America.
Planted, 1896. Hardy.
- 2120.—**S. cordata pendula.** Pendulous Heart-leaved Willow.
Syn., S. rigida pendula.
Planted, 1894. Hardy.
- 2121.—**S. cordata rigida.** Rigid Heart-leaved Willow.
Planted, 1899.
- 2122.—**S. cordata vestita.**
Planted, 1896. Hardy.
S. cotinifolia, Syme = S. nigricans cotinifolia.
- 2123.—**S. cuspidata,** SCHULTZ. Europe.
Planted, 1896. Hardy.
- 2124.—**S. daphnoides (fem.).** VILL. Violet Willow. Europe.
Syn., S. acutifolia, Willd.
Planted, 1896. Hardy.
- 2125.—**S. daphnoides acutifolia.**
Planted, 1899.
- 2126.—**S. daphnoides jaspidea.**
Planted, 1899.
- 2127.—**S. daphnoides mascula.**
Planted, 1899.

SALIX—WILLOW—*Continued.*

- 2128.—**S. daphnoides pomeranica femina.**
Planted, 1896. Hardy.
- 2129.—**S. daphnoides pomeranica mascula.**
Planted, 1896. Hardy.
S. dasyclados, Wimm. = *S. smithiana acuminata*.
- 2130.—**S. decipiens**, HOFFM. White Welsh Willow. Europe.
Planted, 1896. Hardy.
- 2131.—**S. discolor femina**, MUHL. Glauous Willow. North America.
Planted, 1889. Hardy.
- 2132.—**S. doniana**, Sm. Rusty-branched Willow. Europe.
Planted, 1899.
S. Elaeagnos, Scop. = *S. incana*, Schrank.
- 2133.—**S. elegantissima**, C. KOCH. Origin uncertain.
Planted, 1896. Hardy.
- 2134.—**S. elegantissima pendula.**
Syn., *S. Sieboldii pendula*.
Planted, 1894. Hardy.
S. forbyana, Wimm. = *S. rubra forbyana*.
- 2135.—**S. fragilis**, L. Crack Willow, Brittle Willow. Europe, N. and W. Asia.
Syn., *S. russelliana*, Sm.
Planted, 1899.
- 2136.—**S. fragilis ammaniana.**
Planted, 1896. Hardy.
- 2137.—**S. fragilis basfordiana.**
Syn., *S. basfordiana*, Salter.
Planted, 1896. Hardy.
- 2138.—**S. fragilis latifolia.**
Syn., *S. fragilis monspeliensis*.
Planted, 1899.
S. fragilis monspeliensis = *S. fragilis latifolia*.
S. fruticosa, Doell. = *S. aurita* × *viminalis*.
- 2139.—**S. glauca**, L. Northern Willow. Alpine and Arctic regions of Northern Hemisphere.
Planted, 1896. Hardy.
- 2140.—**S. hastata**, L. Mountains of Europe and N. Asia.
Planted, 1899.
- 2141.—**S. Helix pyramidalis.**
Planted, 1899.
- 2142.—**S. hexandra**, EHRH. Europe.
Planted, 1899.
- 2143.—**S. hippophaifolia**, THUILL. Sea-buckthorn-leaved Willow. Europe.
Planted, 1899.
- 2144.—**S. hippophaifolia undulata.**
Planted, 1896. Hardy.
S. holosericea, Willd. = *S. smithiana velutina*.
- 2145.—**S. hookeriana**, BARRATT. N. America.
Planted, 1899.
S. hoppeana, Willd. = *S. triandra*, L.

SALIX—WILLOW—*Continued.*

- 2146.—**S. hoyeriana.**
Planted, 1897. Hardy.
- 2147.—**S. incana femina**, SCHRANK. Hoary-leaved Willow. Europe.
Syn., *S. Elaeagnos*, Scop.
Planted, 1899.
- 2148.—**S. japonica**, THUNB. Japan Willow. Japan.
Planted, 1899.
- 2149.—**S. japonica Lavalléei.**
Planted, 1897. Half hardy.
S. lanceolata, Sm. = *S. undulata*, Ehrh.
- 2150.—**S. Lappinum helvetica.** Laplander's Willow.
Planted, 1899.
- 2151.—**S. lasiandra**, BENTH. Western United States.
Planted, 1896. Hardy.
- 2152.—**S. lasiandra lancifolia.**
Planted, 1899.
S. laurifolia, Wesmael = *S. pentandra*, L.
- 2153.—**S. laurina**, Sm. Laurel-leaved Willow. Europe.
Planted, 1899.
- 2154.—**S. longifolia**, MUHL. Long-leaved Willow, Sandbar Willow. North America.
Planted, 1899.
- 2155.—**S. longifolia argyrophylla.**
Planted, 1899.
- 2156.—**S. lucida**, MUHL. Shining Willow. North America.
Syn., *S. myricoides*, Hort.
Planted, 1896. Hardy.
S. Medemii, Boiss. = *S. cinerea Medemii*.
- 2157.—**S. mollissima**, EHRH. Europe.
Planted, 1896. Hardy.
- 2158.—**S. mutabilis**, HORT. Europe.
Planted, 1899.
S. myricoides, Hort. = *S. lucida*, Muhl.
- 2159.—**S. myrtilloides**, L. Bog Willow. Northern Hemisphere.
Planted, 1896. Hardy.
- 2160.—**S. Nicholsoni**, DIECK. Nicholson's Willow. North America.
Planted, 1896. Hardy.
- 2161.—**S. Nicholsoni purpurascens.**
Planted, 1896. Hardy.
- 2162.—**S. nigra**, MARSH. Black Willow. North America.
Planted, 1899.
- 2163.—**S. nigra falcata.**
Planted, 1899.
- 2164.—**S. nigricans**, Sm. Dark Broad-leaved Willow. Alps or North and Central Europe.
Planted, 1896. Hardy.

SALIX—WILLOW—*Continued.*

- 2165.—**S. nigricans ansoniana.**
Syn., *S. ansoniana*, Forbes.
Planted, 1896. Hardy.
- 2166.—**S. nigricans australis.**
Planted, 1899.
- 2167.—**S. nigricans cotinifolia.**
Syn., *S. cotinifolia*, Syme,
Planted, 1899.
- 2168.—**S. nigricans damascena.**
Planted, 1896. Hardy.
- 2169.—**S. nigricans firma.**
Planted, 1899.
- 2170.—**S. nigricans forsteriana.**
Planted, 1899.
- 2171.—**S. nigricans grisonensis.**
Planted, 1899.
- 2172.—**S. nigricans hirta.**
Planted, 1899.
- 2173.—**S. nigricans menthifolia.**
Planted, 1899.
- 2174.—**S. nigricans parvifolia.**
Planted, 1896. Hardy.
- 2175.—**S. nigricans petraea.**
Planted, 1899.
- 2176.—**S. nigricans prunifolia.**
Planted, 1899.
- 2177.—**S. nigricans rivularis.**
Planted, 1899.
- 2178.—**S. nigricans rupestris.**
Planted, 1899.
- 2179.—**S. nigricans stylaris.**
Planted, 1899.
- 2180.—**S. nigricans vallesiaca.**
Planted, 1899.
- 2181.—**S. nigricans vaudensis.**
Planted, 1899.
- 2182.—**S. nigricans viburnoides.**
Planted, 1896. Hardy.
- 2183.—**S. patula**, SERINGE. Europe.
Planted, 1898. Hardy.
- 2184.—**S. pellita**, ANDERSS.
Planted, 1896. Half hardy.
- 2185.—**S. pentandra**, L. Laurel-leaved Willow.
Europe, N. Asia.
Syn., *S. laurifolia*, Wessm.
Planted, 1890. Hardy.
- 2186.—**S. pentandra gloriosa.**
Syn., *S. laurifolia gloriosa*.
Planted, 1890. Hardy.
- 2187.—**S. petiolaris**, SM. Slender Willow.
North America.
Planted, 1896. Hardy.
- 2188.—**S. petiolaris sericea.**
Syn., *S. sericea*, Marsh.
Planted, 1899.

SALIX—WILLOW—*Continued.*

- 2189.—**S. Petzoldi**, HORT. (*S. babylonica* x *fragilis*).
Planted, 1899.
- 2190.—**S. phylicifolia**, L. Tea-leaved Willow.
Alps of Northern and Central Europe.
Syn., *S. bicolor*, Ehrh.
Planted, 1896. Hardy.
- 2191.—**S. phylicifolia borrieriana.**
Planted, 1899.
- 2192.—**S. phylicifolia laweana.**
Planted, 1896. Hardy.
- 2193.—**S. phylicifolia laxiflora.**
Planted, 1899.
- 2194.—**S. phylicifolia phillyreifolia.**
Planted, 1899.
- 2195.—**S. phylicifolia tetrapla.**
Planted, 1899.
- 2196.—**S. phylicifolia weigeliana.**
Planted, 1899.
S. pontederana, Schleich = *T. purpurea*, L.
Planted, 1896. Hardy.
- 2197.—**S. purpurea**, L. Purple Willow. Europe,
Central and North Asia.
Syn., *S. amplexicaulis*, Bory & Chaub; *S.*
pontederana, *S.*
Planted, 1897. Hardy.
- 2198.—**S. purpurea Kerkse.**
Planted, 1899.
- 2199.—**S. purpurea lambertiana.**
Planted, 1896. Hardy.
- 2200.—**S. purpurea mirabilis.**
Planted, 1899.
- 2201.—**S. purpurea pendula.**
Planted, 1899.
- 2202.—**S. purpurea scharfenbergensis.**
Planted, 1896. Hardy.
- 2203.—**S. purpurea uralensis.**
Planted, 1896. Hardy.
- 2204.—**S. pyrifolia**, ANDERSS. North America.
Planted, 1899.
S. regalis, Hort. = *S. alba argentea*.
- 2205.—**S. repens**, L. Europe, North Asia.
Planted, 1899.
- 2206.—**S. repens argentea.**
Planted, 1896. Hardy.
S. rigida pendula = *S. cordata pendula*.
- 2207.—**S. rosmarinifolia**, L. Rosemary-leaved
Willow, Europe.
Planted, 1890. Hardy.
- 2208.—**S. rubra**, HUDS. Red Willow. Europe.
Planted, 1899.
- 2209.—**S. rubra forbyana.**
Syn., *S. forbyana*, Wimm.
Planted, 1899.
S. russelliana, Sm. = *S. fragilis*, L.
S. sericea, Marsh = *S. petiolaris sericea*.

SALIX—WILLOW—*Concluded.*

- 2210.—**S. seringiana**, GAND. Europe.
Planted, 1896. Hardy.
- 2211.—**S. sieboldiana**, BLUME. Japan.
Planted, 1899.
S. Sieboldii pendula = *S. elegantissima*, C. Koch.
- 2212.—**S. silesiaca**, WILLD. Europe.
Planted, 1899.
- 2213.—**S. smithiana**, WILLD. Europe.
Planted, 1899.
- 2214.—**S. smithiana acuminata**.
Syn., *S. acuminata*, Sm.; *S. dasyclados*, Wimm.
Planted, 1896. Hardy.
- 2215.—**S. smithiana ferruginea**.
Planted, 1899.
- 2216.—**S. smithiana velutina**.
Syn., *S. holosericea*, Willd.
Planted, 1898.
- 2217.—**S. smithiana velutina angustifolia**.
Planted, 1899.
- 2218.—**S. stipularis**, Sm. Europe.
Planted, 1899.
- 2219.—**S. triandra**, L. Europe, N. Asia.
Syn., *S. hoppeana*, Willd.; *S. villarsiana*, Fluegge.
Planted, 1896. Hardy.
- 2220.—**S. triandra amygdalina**.
Planted, 1899.
- 2221.—**S. tristis**, MUHL. Dwarf Gray Willow,
Sage Willow. North America.
Planted, 1896. Hardy.
- 2222.—**S. undulata**, EHRH. Europe.
Syn., *S. lanceolata*, Sm.
Planted, 1896. Hardy.
S. villarsiana, Fluegge = *S. triandra*, L.
- 2223.—**S. viminalis**, L. Osier Willow. Russia
and North Asia.
Planted, 1896. Hardy.
- 2224.—**S. viminalis x purpurea**.
Planted, 1899.
- 2225.—**S. viminalis Reifenweide**.
Planted, 1896. Hardy.
- 2226.—**S. viminalis superba**.
Planted, 1899.
- 2227.—**S. viminalis tenuifolia**.
Planted, 1899.
- 2228.—**S. viridis**, FRIES. Europe.
Planted, 1899.
- 2229.—**S. Voronesh**. Voronesh Willow.
Planted, 1890. Hardy.
- 2230.—**S. wardiana**, F. B. WHITE. Britain.
Planted, 1899.
- 2231.—**S. willdenowiana**, DIPP.
Planted, 1899.

SAMBUCUS—ELDER.

- S. aurea nova* = *S. nigra aurea nova*.
- 2232.—**S. canadensis**, L. American Elder.
North America.
Planted, 1898. Hardy in this vicinity.
- 2233.—**S. Ebulus**, L. Europe, Himalayas.
Planted, 1898.
- 2234.—**S. elegans**, HORT.
Planted, 1896. Tender.
- 2235.—**S. glauca**, NUTT. Glauous Willow.
British Columbia, Western United
States.
Planted, 1897. Half hardy.
- 2236.—**S. glauca fontenayensis**.
Planted, 1896. Half hardy.
S. heterophylla = *S. nigra heterophylla*.
- 2237.—**S. javanica**, REINW. Tropical Asia.
Syn., *S. thunbergiana*, Blume.
Planted, 1897. Hardy.
- 2238.—**S. mexicana**, PRESL. California, Arizona.
Syn., *S. plantiærensis*, Hort.
Planted, 1896. Half hardy.
- 2239.—**S. nigra**, L. Black-fruited Elder. Europe,
W. Asia, N. Africa.
Planted, 1896. Half hardy.
- 2240.—**S. nigra aurea nova**.
Syn., *S. aurea nova*.
Planted, 1896. Tender.
- 2241.—**S. nigra chlorocarpa**.
Planted, 1896. Half hardy.
- 2242.—**S. nigra flore pleno**.
Planted, 1896. Half hardy.
- 2243.—**S. nigra foliis aureis**.
Planted, 1890. Half hardy.
- 2244.—**S. nigra fructu albo**.
Planted, 1897. Half hardy.
- 2245.—**S. nigra heterophylla**.
Syn., *S. heterophylla*.
Planted, 1896. Half hardy.
- 2246.—**S. nigra laciniata**.
Planted, 1897. Half hardy.
- 2247.—**S. nigra laciniata crispa**.
Planted, 1896. Tender.
- 2248.—**S. nigra laciniata monstrosa**.
Planted, 1899.
- 2249.—**S. nigra pendula**.
Syn., *S. pendula*.
Planted, 1897. Winter killed.
- 2250.—**S. nigra pulverulenta alba**.
Syn., *S. pulverulenta alba*.
Planted, 1896. Winter killed.
- 2251.—**S. nigra pyramidalis**.
Syn., *S. pyramidalis*.
Planted, 1896. Winter killed.
- 2252.—**S. nigra rotundifolia**.
Planted, 1896. Half hardy.

SAMBUCUS—ELDER—*Concluded.*

- 2253.—**S. nigra semperflorens.**
Planted, 1896. Half hardy.
- 2254.—**S. nigra trifoliata.**
Planted, 1896. Half hardy.
- 2255.—**S. nigra fol. argenteis variegatis.**
Planted, 1897. Half hardy.
- 2256.—**S. nigra fol. aureis variegatis.**
Planted, 1897. Half hardy.
- 2257.—**S. nigra virescens.**
Planted, 1890. Tender.
S. pendula = *S. nigra pendula.*
S. plantierensis, Hort. = *S. mexicana, Presl.*
S. pubens, Michx. = *S. racemosa pubescens.*
S. pulverulenta alba = *S. nigra pulverulenta alba.*
S. pyramidalis = *S. nigra pyramidalis.*
- 2258.—**S. racemosa, L.** Scarlet-berried Elder.
Northern Hemisphere.
Planted, 1890. Hardy.
- 2259.—**S. racemosa arborescens.**
Planted, 1895. Half hardy.
- 2260.—**S. racemosa plumosa.**
Planted, 1896. Half hardy.
- 2261.—**S. racemosa plumosa aurea.**
Planted, 1899.
- 2262.—**S. racemosa pubescens, DIPP.**
Syn., S. pubens, Michx.
Planted, 1896. Half hardy.
- 2263.—**S. racemosa serratifolia.**
Planted, 1899.
- 2264.—**S. racemosa tenuifolia.**
Planted, 1899.
S. thunbergiana, Blume = *S. javanica, Reinw.*
S. variegata argentea = *S. nigra fol. argenteis variegatis.*
S. variegata aurea = *S. nigra fol. aureis variegatis.*

SAPINDUS—SOAPBERRY.

- 2265.—**S. marginatus, WILLD.** North America.
Planted, 1897. Winter killed.

SASSAFRAS.

- 2266.—**S. officinale, NEES.** Sassafras. Western Ontario, United States.
Syn., Laurus Sassafras, L.
Planted, 1899.
- 2267.—**Schizandra chinensis, BAILL.** China and Japan.
Planted, 1894. Hardy.
SEA BUCKTHORN. See HIPPOPHAE.

SECURINEGA.

- 2268.—**S. ramiflora, MUELL. ARG.** Eastern Asia.
Planted, 1897. Half hardy.
SHRUB YELLOW-ROOT. See XANTHORRHIZA.
SIBERIAN PEA-TREE. See CARAGANA.
SILVER-BELL TREE. See HALEZIA.
SNOWBERRY. See SYMPHORICARPUS.
SOAPBERRY. See SAPINDUS.

SOLANUM—NIGHTSHADE.

- 2269.—**S. Dulcamara, L.** Bittersweet. Europe.
Syn., S. lyratum, Thunb.
Planted, 1897. Tender.
S. lyratum, Thunb. = *S. Dulcamara, L.*

SOPHORA.

- 2270.—**S. chinensis, D. DON.** China.
Planted, 1896. Winter killed. Re-planted, 1899.
- 2271.—**S. japonica, L.** China.
Planted, 1896. Half hardy.
- 2272.—**S. japonica pendula.**
Planted, 1897. Tender.
- 2273.—**S. Korolkowi, CORNU.**
Planted, 1899.
- 2274.—**S. platycarpa, MAXIM.** Japan.
Planted, 1897. Hardy.
- 2275.—**S. violacea, HORT.**
Planted, 1897. Tender.
SOUR GUM. See NYSSA.
SOUR-WOOD. See OXYDENDRON.
SORREL-TREE. See OXYDENDRON.
Spartium andréanum = *Cytisus scoparius andréanus.*
Spartium scoparium, L. = *Cytisus scoparius, Link.*

SPARTIUM.

- 2276.—**S. junceum, L.** Rush-like Spartium.
South Europe.
Syn., Genista juncea, Lam.
Planted, 1895. Winter killed.
SPINDLE-TREE. See EUONYMUS.

SPIRAEA—MEADOW-SWEET.

- S. alba, Du Roi* = *S. salicifolia paniculata.*
S. albiflora, Miq. = *S. japonica alba.*
S. amurense, Maxim. = *Neillia amurenensis, Benth. & Hook.*
S. ariaefolia, Smith. = *S. discolor, Pursh.*
- 2277.—**S. arguta, ZABEL.** Garden origin.
Syn. S. multiflora arguta.
Planted, 1896. Hardy.
- 2278.—**S. aubifolia ? HORT.**
Planted, 1898.
- 2279.—**S. bella, SIMS.** Temperate Himalaya.
Syn., S. Hookeri, Hort.
Planted, 1894. Hardy.
- 2280.—**S. bethlehémensis rubra, HORT.**
Planted, 1896. Hardy.
- 2281.—**S. betulifolia, PALL.** Birch-leaved spiraea. Northern Hemisphere.
Planted, 1898.
- 2282.—**S. betulifolia corymbosa.**
Syns., S. corymbosa, Rafn.; S. crataegifolia, Link.
Planted, 1894. Hardy.
S. Billardii, Hort. = *S. salicifolia, L.*

SPIRAEA—MEADOW-SWEET—Continued.

- 2283.—**S. blanda**, ZABEL. (**S. cantoniensis** x **chinensis**).
Planted, 1896. Tender.
- 2284.—**S. Blumei**, DON. China and Japan.
Planted, 1897. Winter killed. Re-planted, 1899.
- 2285.—**S. brachybotrys**, LANGE. (**S. canescens** x **Douglasi**). Garden origin.
Syn., *S. luxuriosa*, Lavall.
Planted, 1894. Tender.
- 2286.—**S. bracteata**, ZABEL.
Syn., *S. media rotundifolia*.
Planted, 1896. Hardy.
- 2287.—**S. bullata**, MAXIM.
Syn., *S. crispifolia*, Hort.
Planted, 1894. Tender.
S. Bumalda, Hort. = *S. japonica* Bumalda.
S. californica, Hort. = *S. nobleana*, Hook.
S. callosa, Thunb. = *S. japonica*, L. fl.
- 2288.—**S. cana**, WALDST. & KRT. Eastern Europe.
Syn., *S. regeliana*, Hort.
Planted, 1896. Hardy.
- 2289.—**S. canescens**, DON. Himalaya.
Syn., *S. flagelliformis*, Hort.; *S. nepalensis*, Hort.; *S. pruinosa*, Hort.
Planted, 1896. Tender.
- 2290.—**S. cantoniensis**, LOUR. China, Japan, Himalaya.
Planted, 1897. Half hardy.
- 2291.—**S. cantoniensis flore pleno**.
Syn., *S. lanceolata flore pleno*.
Planted, 1897. Tender.
S. carpinifolia, Willd. = *S. salicifolia*, L.
- 2292.—**S. chamaedrifolia**, L. Germander-leaved Spiraea. Europe.
Syn., *S. ulmifolia*, Scop.
Planted, 1896. Hardy.
- 2293.—**S. chamaedrifolia flexuosa**.
Syn., *S. flexuosa*, Fisch.
Planted, 1894. Tender.
S. chinensis, Hort. = *S. pubescens*, Turcz.
- 2294.—**S. cinerea superhypericifolia**.
Planted, 1896. Hardy.
- 2295.—**S. coccinea**, HORT.
Planted, 1896. Half hardy.
- 2296.—**S. conferta**, ZABEL. (**S. cana** x **crenata**).
Garden origin.
Planted, 1896. Hardy.
- 2297.—**S. conspicua**, ZABEL. (**S. albiflora** x **latifolia**).
Planted, 1896. Half hardy.
S. corymbosa, Rafin. = *S. betulifolia corymbosa*.
S. crataegifolia, Link. = *S. betulifolia corymbosa*.
- 2298.—**S. crenata**, L. Eastern Europe.
Planted, 1896. Hardy.
S. crispifolia, Hort. = *S. bullata*, Maxim.

SPIRAEA—MEADOW-SWEET—Continued.

- 2299.—**S. decumbens**, KOCH. Europe.
Planted, 1895. Winter killed. Re-planted, 1899.
- 2300.—**S. discolor**, PURSH. White-beam leaved Spiraea. North-west America.
Syn., *S. ariaefolia*, Smith.
Planted, 1896. Tender.
- 2301.—**S. Douglasi**, HOOK. North-west America.
Syn., *S. menziesii*, Hook.
Planted, 1894. Tender.
- 2302.—**S. Douglasi pachystachys**.
Planted, 1896. Hardy.
S. Douglasi sanssouciana = *S. nobleana* Hook.
- 2303.—**S. Douglasi variet.**
Planted, 1897. Hardy.
S. dumosa, Nutt. = *S. discolor dumosa*.
S. eximia, Hort. = *S. nobleana*, Hook.
- 2304.—**S. expansa nivea**.
Planted, 1898.
- 2305.—**S. expansa rubra**.
Planted, 1899.
S. flagelliformis, Hort. *S. canescens*, Don.
S. flexuosa, Fisch. *S. chamaedrifolia flexuosa*.
S. floribunda, Hort. = *S. sorbifolia*, L.
- 2306.—**S. fontenayensis alba**.
Planted, 1894. Half hardy.
- 2307.—**S. fontenayensis rosea**.
Planted, 1896. Hardy.
S. Fortunei, Planch. = *S. japonica*, L. fl.
S. Foxii, Hort. = *S. sorbifolia*, L.
- 2308.—**S. Froebeli**, HORT.
Planted, 1899.
- 2309.—**S. Froebeli fol. variegatis**.
Planted, 1899.
S. Hacqueti, FENZL & K. KOCH. Tyrol.
Planted, 1899.
S. Hookeri, Hort. = *S. bella*, Sims.
- 2310.—**S. hypericifolia**, L. Northern Hemisphere.
Planted, 1894. Hardy.
- 2311.—**S. hypericifolia thalictroides**.
Planted, 1896. Hardy.
- 2312.—**S. japonica**, L. FIL. Japanese Spiraea. India, China, and Japan.
Syn., *S. callosa*, Thunb.; *S. Fortunei*, Planch.
Planted, 1895. Tender.
- 2313.—**S. japonica alba**. White Japanese Spiraea.
Syn., *S. albiflora*, Mig.
Planted, 1894. Half hardy.
- 2314.—**S. japonica atrosanguinea**.
Planted, 1898.
- 2315.—**S. japonica Bumalda**.
Syn., *S. Bumalda*, Hort.
Planted, 1898.

SPIRAEA—MEADOW-SWEET—Continued.

- 2316.—**S. japonica** Bumalda Anthony Waterer.
Planted, 1897. Tender.
- 2317.—**S. japonica** Bumalda elegans.
Planted, 1897. Winter killed. Re-planted, 1899.
- 2318.—**S. japonica macrophylla**. Large-leaved Japanese Spiraea.
Planted, 1898.
- 2319.—**S. japonica rosea**. Rosy Japanese Spiraea.
Planted, 1896. Tender.
- 2320.—**S. japonica ruberrima**.
Planted, 1897. Winter killed. Re-planted, 1899.
- 2321.—**S. japonica rubra**. Red Japanese Spiraea.
Planted, 1894. Tender.
- 2322.—**S. japonica semperflorens**.
Planted, 1894. Half hardy.
- 2323.—**S. japonica superba**.
Planted, 1896. Half hardy.
- 2324.—**S. laevigata**, L. Siberia.
Planted, 1896. Hardy.
- 2325.—**S. lanceolata**, HORT.
Planted, 1899.
S. lanceolata flore pleno. = *S. cantoniensis flore pleno*.
S. latifolia, Borkh. = *S. salicifolia paniculata*.
- 2326.—**S. lenneana**, HORT.
Planted, 1898.
- 2327.—**S. lindleyana**, WALL. Himalaya.
Planted, 1898.
- 2328.—**S. longigemmis**, MAXIM. China.
Planted, 1896. Hardy.
S. luxuriosa, Lavall. = *S. brachybotrys*, Lange.
- 2329.—**S. Margaritae**.
Planted, 1895. Tender.
- 2330.—**S. media**, SCHMIDT. Europe.
Syn., *S. oblongifolia*, Waldest.
Planted, 1894. Hardy.
S. media rotundifolia = *S. bracteata*, Zabel.
S. menziesii, Hook. = *S. Douglasi*, Hook.
- 2331.—**S. mongolica**, MAXIM. Mongolia and China.
Planted, 1896. Hardy.
S. monogyna, Torr. = *Neillia Torreyi*, Watson.
S. multiflora arguta = *S. arguta*, Zabel.
S. nepalensis, Hort. = *S. canescens*, Don.
- 2332.—**S. nobleana**, HOOK. California.
Syn., *S. californica*, Hort.; *S. eximia*, Hort.; *S. Douglasi sanssouciana*.
Planted, 1897. Hardy.
- 2333.—**S. syringiflora**, HORT.
Planted, 1896. Half hardy.
- 2334.—**S. notha**, ZABEL.
Planted, 1896. Hardy.
S. oblongifolia, Waldest. = *S. media*, Schmidt.
S. opulifolia, L. = *Neillia opulifolia*, Benth. & Hook.

SPIRAEA—MEADOW-SWEET—Continued.

- 2335.—**S. oxyodon**, ZABEL. (*S. flexuosa* x *media*).
Planted, 1896. Hardy.
- 2336.—**S. pachystachys**, HORT.
Planted, 1897. Hardy.
S. Pallasi, Hort. = *S. sorbifolia*, L.
S. paniculata = *S. salicifolia paniculata*.
S. pruinosa, Hort. = *S. canescens*, Don.
- 2337.—**S. prunifolia**, SIEB & ZUCC. Plum-leaved Spiraea. China and Japan.
Planted, 1897. Half hardy.
- 2338.—**S. prunifolia flore pleno**.
Planted, 1897. Half hardy.
- 2339.—**S. pubescens**, TURCZ. China.
Syn., *S. chinensis*, Hort.
Planted, 1897. Winter killed. Re-planted, 1899.
S. reevesiana, Lindl. = *S. cantoniensis*, Lour.
S. regeliana, Hort. = *S. cana*, Waldest. & Kit.
- 2340.—**S. revirescens**, ZABEL.
Planted, 1896. Tender.
- 2341.—**S. salicifolia**, L. Common Meadow-sweet. Eastern Europe to Japan, Canada, United States.
Syn., *S. Billardii*, Hort.; *S. carpinifolia*, Willd.
Planted, 1894. Hardy.
- 2342.—**S. salicifolia floribus albis**. White-flowered Meadow Sweet.
Syn., *S. Billardii alba*.
Planted, 1896. Hardy.
- 2343.—**S. salicifolia floribus roseis**. Rose-flowered Meadow Sweet.
Syn., *S. Billardii rosea*.
Planted, 1896. Hardy.
- 2344.—**S. salicifolia paniculata**.
Syn., *S. alba*, Du Roi; *S. latifolia*, Borkh.
Planted, 1896. Hardy.
S. sanssouciana, C. Koch = *S. nobleana*, Hook.
- 2345.—**S. Schinabecki**, ZABEL. (*S. chamaedrifolia* x *trilobata*).
Planted, 1896. Hardy.
- 2346.—**S. sorbifolia**, L. Sorbus-leaved Spiraea. Himalaya to Japan.
Syn., *S. floribunda*, Hort.; *S. Foxii*, Hort.
Planted, 1894. Hardy.
- 2347.—**S. tenuissima**, CAR. Origin uncertain.
Planted, 1894. Hardy.
- 2348.—**S. Thunbergi**, SIEB. & ZUCC. Thunberg's Spiraea. China and Japan.
Planted, 1897. Hardy.
- 2349.—**S. tomentosa**, L. Hardhack. Canada, United States.
Planted, 1894. Hardy.

SPIRAEA—MEADOW-SWEET—*Concluded.*

- 2350.—**S. trilobata**, L. North Asia.
Planted, 1896. Hardy.
S. ulmifolia, Scop. = *S. chamaedrifolia*, L.
- 2351.—**S. vacciniifolia**, D. DON. Vaccinium-leaved Spiraea. Himalaya.
Planted, 1897. Half hardy.
- 2352.—**S. Van Houttei**, BRIOT. Van Houtte's Spiraea. (**S. media** x **trilobata**).
Garden origin.
Planted, 1897. Hardy.
ST. JOHN'S WORT. See HYPERICUM.

STACHYURUS.

- 2353.—**S. praecox**, SIEB. & ZUCC. China and Japan.
Planted, 1899.

STAPHYLEA—BLADDER-NUT.

- 2354.—**S. Bumalda**, SIEB. & ZUCC. Japan.
Planted, 1894. Hardy.
- 2355.—**S. colchica**, STEV. Caucasus.
Planted, 1897. Tender.
- 2356.—**S. Coulombieri**, ANDRÉ. (**S. pinnata** x **colchica**).
Planted, 1895. Winter killed.
- 2357.—**S. elegans**, ZABEL. (**S. colchica** x **pinnata**).
Planted, 1898.
- 2358.—**S. pinnata**, L. South Europe.
Planted, 1894. Tender.
- 2359.—**S. trifolia**, L. American Bladder-nut.
North America.
Planted, 1894. Hardy.

STAUNTONIA.

- 2360.—**S. hexaphylla**, DCNE. China and Japan.
Planted, 1897. Winter killed.

STEPHANANDRA.

- 2361.—**S. flexuosa**, SIEB. & ZUCC. China and Japan.
Planted, 1896. Tender.
- 2362.—**S. Tanakae**, FRANCH & SAV. Japan.
Planted, 1898.

STUARTIA.

- 2363.—**S. pentagyna**, L'HERIT. South United States.
Planted, 1895. Winter killed.
- 2364.—**S. virginica**, CAV. South United States.
Planted, 1897. Half hardy.

STYRAX

- 2365.—**S. japonicum**, SIEB. & ZUCC. China and Japan.
Planted, 1895. Winter killed.
- 2366.—**S. Obassia**, SIEB. & ZUCC. Japan.
Planted, 1897. Winter killed.
SUMACH. See RHUS.

SYMPHORICARPUS—SNOWBERRY.

- 2367.—**S. Heyeri**, DIPPEL. Western United States.
Planted, 1895. Half hardy.
- 2368.—**S. mollis**, NUTT. Western North America.
Planted, 1896. Half hardy.
- 2369.—**S. occidentalis**, R. BR. Wolfberry.
Western North America.
Planted, 1889. Hardy.
- 2370.—**S. orbiculatus**, MOENCH. Coral-berry.
North America.
Syns., *S. fructu rubro*; *S. vulgaris*, Michx.
Planted, 1889. Hardy.
- 2371.—**S. orbiculatus fol. aureo-variegatis**.
Variegated Coral-berry.
Planted, 1896. Half hardy.
- 2372.—**S. oreophyllus**, A. GRAY. Western North America.
Planted, 1899.
- 2373.—**S. racemosus**, MICHX. Snowberry. North America.
Planted, 1889. Half hardy.
- 2374.—**S. racemosus pauciflorus**.
Planted, 1896. Hardy.
- 2375.—**S. rotundifolius**, A. GRAY. Western United States.
Planted, 1895. Half hardy.
S. rubra = *S. orbiculatus*, Moench.
S. vulgaris, Michx. = *S. orbiculatus*, Moench.

SYRINGA—LILAC.

- 2376.—**S. amurensis**, RUPE. Amur Lilac. China, Japan, and Mandshuria.
Planted, 1894. Hardy.
S. amurensis japonica = *S. japonica*, Decne.
S. Bretschneideri, Hort. = *S. Emodi rosea*.
- 2377.—**S. chinensis**, WILLD. Rouen Lilac. Garden origin.
Syns., *S. dubia*, Pers.; *S. rothomagensis*, Mirb.
Planted, 1894. Hardy.
- 2378.—**S. chinensis alba**. White Rouen Lilac.
Planted, 1897. Half hardy.
- 2379.—**S. chinensis metensis**.
Syn., *S. dubia metensis*.
Planted, 1897. Hardy.
- 2380.—**S. chinensis rubra**. Red Rouen Lilac.
Planted, 1897. Hardy.
- 2381.—**S. chinensis saugeana**.
Planted, 1889. Hardy.
S. dubia, Pers. = *S. chinensis*, Willd.
- 2382.—**S. Emodi**, WALL. Himalayan Lilac. Himalaya.
Planted, 1894. Hardy.
- 2383.—**S. Emodi rosea**. Rosy Himalayan Lilac.
Syns., *S. Bretschneideri*, Hort.; *S. Emodi rosiflora*.
Planted, 1895. Hardy.
S. Emodi rosiflora = *S. Emodi rosea*.

SYRINGA—LILAC—Continued.

- 2384.—**S. Emodi variegata.** Variegated Himalayan Lilac.
Planted, 1896. Hardy.
- 2385.—**S. japonica**, DECNE. Japan Lilac. Japan.
Syn., *S. amurensis japonica*.
Planted, 1894. Hardy.
- 2386.—**S. Josikaea**, JACQ. F. Josika's Lilac.
Transsylvania.
Planted, 1889. Hardy.
S. ligustrina, Hort. = *S. amurensis*, Rupr.
- 2387.—**S. oblata**, LINDL. Oblate-leaved Lilac.
China.
Planted, 1895. Hardy.
- 2388.—**S. pekinensis**, RUPR. Pekin Lilac.
Mountains of Northern China.
Syn., *Ligustrina pekinensis*, Regel.
Planted, 1895. Tender. Winter killed, 1898.
- 2389.—**S. pekinensis pendula.** Pendulous Pekin Lilac.
Planted, 1897. Died. Re-planted, 1899.
- 2390.—**S. persica**, L. Persian Lilac. Afghanistan.
Planted, 1889. Hardy.
- 2391.—**S. persica alba.** White Persian Lilac.
Planted, 1893. Half hardy.
- 2392.—**S. persica laciniata.** Cut-leaved Persian Lilac.
Planted, 1897. Hardy.
S. pubescens, Turcz. = *S. villosa*, Vahl.
S. rothomagensis, Mirb. = *S. chinensis*, Willd.
- 2393.—**S. villosa**, VAHL. North China.
Syn., *S. pubescens*, Turcz.
Planted, 1895. Hardy.
- 2394.—**S. vulgaris**, L. Common Lilac. Eastern Europe.
Planted, 1889. Hardy.
- 2395.—**S. vulgaris Abel Carrière.**
Planted, 1899.
- 2396.—**S. vulgaris alba.** White Lilac.
Planted, 1889. Hardy.
- 2397.—**S. vulgaris alba grandiflora.** Large-flowered White Lilac.
Planted, 1894. Hardy.
- 2398.—**S. vulgaris alba pyramidalis.** Pyramidal White Lilac.
Planted, 1898.
- 2399.—**S. vulgaris Albert the Good.**
Planted, 1894. Hardy.
- 2400.—**S. vulgaris Aline Mocqueris.**
Planted, 1896. Hardy.
- 2401.—**S. vulgaris Alphonse Lavallée.**
Planted, 1896. Hardy.
- 2402.—**S. vulgaris Ambroise Verschaffelt.**
Planted, 1898.
- 2403.—**S. vulgaris Amethyst.**
Planted, 1896. Hardy.
- 2404.—**S. vulgaris amoena.**
Planted, 1896. Hardy.

SYRINGA—LILAC—Continued.

- 2405.—**S. vulgaris Andenken an Ludwig Spath.**
Planted, 1899.
- 2406.—**S. vulgaris aurea.** Golden-leaved Lilac.
Planted, 1897. Hardy.
- 2407.—**S. vulgaris Belle de Nancy.**
Planted, 1895. Hardy.
- 2408.—**S. vulgaris Beranger.**
Planted, 1898.
- 2409.—**S. vulgaris Blanc Virginal.**
Planted, 1889. Hardy.
- 2410.—**S. vulgaris Boussingault.**
Planted, 1899.
- 2411.—**S. vulgaris Charles Baltet.**
Planted, 1897. Hardy.
- 2412.—**S. vulgaris Charles Joly.**
Planted, 1899.
- 2413.—**S. vulgaris Charles X.**
Planted, 1889. Hardy.
- 2414.—**S. vulgaris Comte Horace de Choiseul.**
Planted, 1896. Hardy.
- 2415.—**S. vulgaris Comtesse Horace de Choiseul.**
Planted, 1896. Hardy.
- 2416.—**S. vulgaris Condorcet.**
Planted, 1897. Hardy.
- 2417.—**S. vulgaris Congo.**
Planted, 1899.
- 2418.—**S. vulgaris Corinne.**
Planted, 1899.
- 2419.—**S. vulgaris Croix de Brahy.**
Planted, 1896. Hardy.
- 2420.—**S. vulgaris de Humboldt.**
Planted, 1898.
- 2421.—**S. vulgaris de Jussieu.**
Planted, 1895. Hardy.
- 2422.—**S. vulgaris de Marley.**
Planted, 1889. Hardy.
- 2423.—**S. vulgaris Dr. Lindley.**
Planted, 1897. Hardy.
- 2424.—**S. vulgaris Dr. Maillot.**
Planted, 1897. Hardy.
- 2425.—**S. vulgaris Dr. Nobbe.**
Planted, 1896. Hardy.
- 2426.—**S. vulgaris Dr. von Regel.**
Planted, 1897. Hardy.
- 2427.—**S. vulgaris Doyen Keteleer.**
Planted, 1899.
- 2428.—**S. vulgaris Eckenholm.**
Planted, 1896. Hardy.
- 2429.—**S. vulgaris Emilie Lemoine.**
Planted, 1897. Hardy.
- 2430.—**S. vulgaris Emil Liebig.**
Planted, 1899.
- 2431.—**S. vulgaris Erzherzog Johann.**
Planted, 1898.

SYRINGA—LILAC—Continued.

- 2432.—*S. vulgaris* Francisque Morel.
Planted, 1899.
- 2433.—*S. vulgaris* Frau Bertha Dammann.
Planted, 1894. Hardy.
- 2434.—*S. vulgaris* Furst Liechtenstein.
Planted, 1896. Hardy.
- 2435.—*S. vulgaris* Géant des batailles.
Planted, 1898.
- 2436.—*S. vulgaris* Geheimrath Heyder.
Planted, 1896. Hardy.
- 2437.—*S. vulgaris* Geheimrath Singelmann.
Planted, 1896. Hardy.
- 2438.—*S. vulgaris* Gloire de Moulins.
Planted, 1897. Hardy.
- 2439.—*S. vulgaris* Goliath.
Planted, 1896. Hardy.
- 2440.—*S. vulgaris* Grand-duc Constantin.
Planted, 1899.
- 2441.—*S. vulgaris* Guizot.
Planted, 1899.
- 2442.—*S. vulgaris* hyacinthiflora plena.
Planted, 1899.
- 2443.—*S. vulgaris* hybrida.
Planted, 1896. Hardy.
- 2444.—*S. vulgaris* Jacques Calot.
Planted, 1894. Hardy.
- 2445.—*S. vulgaris* Jean Bart.
Planted, 1896. Hardy.
- 2446.—*S. vulgaris* Justi.
Planted, 1898.
- 2447.—*S. vulgaris* Lamarck.
Planted, 1895. Hardy.
- 2448.—*S. vulgaris* La Mauve.
Planted, 1898.
- 2449.—*S. vulgaris* La Tour d'Auvergne.
Planted, 1896. Hardy.
- 2450.—*S. vulgaris* Le Gaulois.
Planted, 1896. Hardy.
- 2451.—*S. vulgaris* Lemoinei.
Planted, 1889. Hardy.
- 2452.—*S. vulgaris* Léon Simon.
Planted, 1895. Hardy.
- 2453.—*S. vulgaris* Linné.
Planted, 1898.
- 2454.—*S. vulgaris* Louis Henry.
Planted, 1899.
- 2455.—*S. vulgaris* Louis van Houtte.
Planted, 1896. Hardy.
- 2456.—*S. vulgaris* lovaniensis.
Planted, 1898.
- 2457.—*S. vulgaris* Ludwig Spath.
Planted, 1894. Hardy.
- 2458.—*S. vulgaris* macrostachya.
Planted, 1897. Hardy.
- 2459.—*S. vulgaris* Madame Abel Chatenay.
Planted, 1897. Hardy.

SYRINGA—LILAC—Continued.

- 2460.—*S. vulgaris* Madame Briot.
Planted, 1896. Hardy.
- 2461.—*S. vulgaris* Madame Casimir Perier.
Planted, 1899.
- 2462.—*S. vulgaris* Madame Kreuter.
Planted, 1898.
- 2463.—*S. vulgaris* Madame Jules Finger.
Planted, 1896. Hardy.
- 2464.—*S. vulgaris* Madame Lemoine.
Planted, 1899.
- 2465.—*S. vulgaris* Madame Léon Simon.
Planted, 1899.
- 2466.—*S. vulgaris* Madame Moser.
Planted, 1898.
- 2467.—*S. vulgaris* Mademoiselle Fernande Viger.
Planted, 1899.
- 2468.—*S. vulgaris* Maréchal de Bassompierre.
Planted, 1899.
- 2469.—*S. vulgaris* Marie Legraye.
Planted, 1896. Hardy.
- 2470.—*S. vulgaris* marliensis pallida.
Planted, 1898.
- 2471.—*S. vulgaris* Mathieu de Dombasle.
Planted, 1899.
- 2472.—*S. vulgaris* Mélide Laurent.
Planted, 1899.
- 2473.—*S. vulgaris* Michel Buchner.
Planted, 1897. Hardy.
- 2474.—*S. vulgaris* Monsieur Maxime Cornu.
Planted, 1898.
- 2475.—*S. vulgaris* Monument Carnot.
Planted, 1899.
- 2476.—*S. vulgaris* nana. Dwarf Lilac.
Planted, 1894. Hardy.
- 2477.—*S. vulgaris* Obélisque.
Planted, 1897. Hardy.
- 2478.—*S. vulgaris* Pierre Joigneaux.
Planted, 1898.
- 2479.—*S. vulgaris* Président Carnot.
Planted, 1897. Hardy.
- 2480.—*S. vulgaris* Président Grévy.
Planted, 1894. Hardy.
- 2481.—*S. vulgaris* Président Hayes.
Planted, 1899.
- 2482.—*S. vulgaris* Prince de Beauveau.
Planted, 1899.
- 2483.—*S. vulgaris* Prince of Wales.
Planted, 1894. Hardy.
- 2484.—*S. vulgaris* Princesse Marie.
Planted, 1898.
- 2485.—*S. vulgaris* Prinz Notger.
Planted, 1898.
- 2486.—*S. vulgaris* Professor Sargent.
Planted, 1896. Hardy.

SYRINGA—LILAC—*Concluded.*

- 2487.—**S. vulgaris purpurea.** Purple Lilac.
Planted, 1889. Hardy.
- 2488.—**S. vulgaris Rabelais.**
Planted, 1899.
- 2489.—**S. vulgaris Renoncule.**
Planted, 1899.
- 2490.—**S. vulgaris rubella.**
Planted, 1897. Hardy.
- 2491.—**S. vulgaris rubra.**
Planted, 1898.
- 2492.—**S. vulgaris rubra insignis.**
Planted, 1898.
- 2493.—**S. vulgaris Sénateur Volland.**
Planted, 1896. Hardy.
- 2494.—**S. vulgaris sibirica.**
Planted, 1897. Hardy.
- 2495.—**S. vulgaris sibirica** (double blue).
Planted, 1896. Hardy.
- 2496.—**S. vulgaris Souvenir de la Spath.**
Planted, 1899.
- 2497.—**S. vulgaris Souvenir de L. Thibaut.**
Planted, 1897. Hardy.
- 2498.—**S. vulgaris Tournefort.**
Planted, 1896. Hardy.
- 2499.—**S. vulgaris Triomphe d'Orléans.**
Planted, 1896. Hardy.
- 2500.—**S. vulgaris varina bicolor.**
Planted, 1899.
- 2501.—**S. vulgaris varina duplex.**
Planted, 1899.
- 2502.—**S. vulgaris Vergissmeinnicht.**
Planted, 1897. Hardy.
- 2503.—**S. vulgaris versaliensis.**
Planted, 1896. Hardy.
- 2504.—**S. vulgaris virginialis.**
Planted, 1889. Hardy.
- 2505.—**S. vulgaris Virginité.**
Planted, 1896. Hardy.

TAMARIX—TAMARISK.

- 2506.—**T. africana,** POIR. African Tamarisk.
Mediterranean region.
Planted, 1896. Winter killed.
- 2507.—**T. amurensis.** Amur Tamarisk.
Planted, 1896. Half hardy.
- 2508.—**T. caspica.**
Planted, 1895. Tender.
- 2509.—**T. gallica,** L. Shores of Atlantic, Mediterranean.
Syn., T. indica, Willd.
Planted, 1897. Tender.
- 2510.—**T. hispida,** WILLD. Western Asia.
Syn., T. kashgarica, Hort.
Planted, 1897. Winter killed. Re-planted, 1899.
T. indica, Willd. = T. gallica, L.

TAMARIX—TAMARISK—*Concluded.*

- 2511.—**T. japonica.** Japan Tamarisk.
Planted, 1896. Tender.
- 2512.—**T. japonica plumosa.** Plumose Japan Tamarisk.
Planted, 1897. Tender.
T. kashgarica, Hort. = T. hispida, Willd.
- 2513.—**T. odessana,** STEV. Odessa Tamarisk. Russia.
Planted, 1895. Half hardy.
- 2514.—**T. parviflora,** DC. Small-flowered Tamarisk. Greece.
Planted, 1897. Tender.
- 2515.—**T. tetrandra,** PALL. Four-anthered Tamarisk. Eastern Europe.
Planted, 1897. Tender.

TECOMA—TRUMPET FLOWER.

- T. atrosanguinea = T. grandiflora sanguinea.*
- 2516.—**T. grandiflora,** LOISEL. China and Japan.
Planted, 1897. Tender.
- 2517.—**T. radicans,** JUSS. Trumpet Flower. North America.
Planted, 1896. Winter killed.
- 2518.—**T. radicans praecox.**
Planted, 1896. Winter killed.
- 2519.—**T. Thunbergi,** CARR. Origin unknown.
Planted, 1897. Tender.

TEUCRIUM.

- T. Chamaedrys, L. = T. Marum, L.*
- 2520.—**T. Marum,** L. South-western Europe.
Syn., T. Chamaedrys, L.
Planted, 1898.

TILIA—LINDEN, BASSWOOD.

- T. alba, Ait. = T. americana, L.*
- 2521.—**T. americana,** L. Basswood. North America.
Syns., T. alba, Ait.; T. hybrida superba; T. longifolia dentata.; T. mississippiensis, Bosc.
Planted, 1893. Hardy.
- 2522.—**T. americana laxiflora.**
Planted, 1896. Hardy.
- 2523.—**T. americana Moltkei.**
Planted, 1898.
- 2524.—**T. americana spectabilis.**
Planted, 1897. Died.
- 2525.—**T. argentea,** DESF. Silvery Linden. East Europe.
Syn., T. tomentosa, Moench.
Planted, 1890. Half hardy.
- 2526.—**T. argentea canescens.**
Planted, 1899.
- 2527.—**T. argentea nova.**
Planted, 1897. Hardy.
T. Beaumontii pendula = T. platyphyllos obliqua.

TILIA—LINDEN, BASSWOOD—*Continued.*

- 2528.—**T. begoniifolia**, HORT.
Planted, 1897. Hardy.
- 2529.—**T. cordata**, MILL. Heart-leaved Linden.
Europe. North Asia.
Syn., *T. sylvestris*, Desf.; *T. ulmifolia*, Scop.
Planted, 1896. Hardy.
- 2530.—**T. cordata japonica**.
Planted, 1896. Hardy.
- 2531.—**T. dasystyla**, STEV. Caucasus.
Syn., *T. euchlora*, K. Koch.
Planted, 1893. Hardy.
T. euchlora, K. Koch. = *T. dasystyla*, Stev.
T. europæa, L. (in part) = *T. vulgaris*, Hayne.
T. europæa, L. (in part) = *T. platyphyllos*, Scop.
T. europæa aurea = *T. platyphyllos aurantia*.
T. europæa grandifolia = *T. platyphyllos*, Scop.
- 2532.—**T. europæa laciniata rubra**.
Planted, 1893. Hardy.
- 2533.—**T. flavescens**, A. BR.
Planted, 1899.
- 2534.—**T. floribunda**, A. BR. (**T. americana x ulmifolia**).
Planted, 1897. Hardy.
- 2535.—**T. gigantea**, HORT.
Planted, 1896. Hardy.
- 2536.—**T. heterophylla**, VENT. White Basswood.
South-eastern United States.
Syn., *T. macrophylla*, Hort
Planted, 1890. Hardy.
T. hybrida superba, Hort = *T. americana*, L.
T. longifolia dentata, Hort. = *T. americana*, L.
T. macrophylla, Hort. = *T. heterophylla*, Vent.
- 2537.—**T. Mandschurica**, RUPR. Mandshuria.
Planted, 1899.
- 2538.—**T. miqueliana**, MAXIM. Japan.
Planted, 1898.
- 2539.—**T. multiflora**, HORT.
Planted, 1899.
T. mississippiensis, Bosc. = *T. americana*, Linn.
- 2540.—**T. Parmentieri**.
Planted, 1897. Hardy.
- 2541.—**T. platyphyllos**, SCOP. Broad-leaved Linden. Europe.
Syn., *T. europæa*, L.
Planted, 1897. Hardy.
- 2542.—**T. platyphyllos aurantia**.
Syn., *T. europæa aurea*.
Planted, 1893. Hardy.
- 2543.—**T. platyphyllos corallina**.
Planted, 1897. Hardy.

TILIA—LINDEN, BASSWOOD—*Concluded.*

- 2544.—**T. platyphyllos filicifolia nova**.
Planted, 1896. Hardy.
- 2545.—**T. platyphyllos grandifolia**.
Syn., *T. europæa grandifolia*.
Planted, 1896. Hardy.
- 2546.—**T. platyphyllos pendula**.
Syn., *T. Beaumontii pendula*.
Planted, 1897. Hardy.
- 2547.—**T. platyphyllos pyramidalis aurea**.
Planted, 1891. Hardy.
- 2548.—**T. platyphyllos pyramidalis obliqua**.
Planted, 1896. Hardy.
- 2549.—**T. platyphyllos vitifolia**.
Syn., *T. vitifolia*, Host.
Planted, 1893. Hardy.
- 2550.—**T. pubescens**, AIT. Southern Basswood
Eastern United States.
Planted, 1899.
- 2551.—**T. spectabilis**, DIPP. HORT.
Planted, 1898.
T. sylvestris, Desf. = *T. cordata*, Mill.
T. tomentosa, Moench = *T. argentea*, Desf.
T. ulmifolia, Scop. = *T. cordata*, Mill.
T. vitifolia, Host. = *T. platyphyllos vitifolia*.
- 2552.—**T. vulgaris**, HAYNE. Common Linden.
Europe.
Syn., *T. europæa*, L.
Planted, 1895. Hardy.
TREE OF HEAVEN. See AILANTHUS.
TRUMPET FLOWER. See TECOMA,
TULIP TREE. See LIRIODENDRON.

ULMUS—ELM.

- 2553.—**U. americana**, L. American Elm. North America.
Planted, 1889. Hardy.
- 2554.—**U. americana pendula**. Pendulous American Elm.
Planted, 1889. Hardy.
U. antarctica, Hort. = *U. campestris antarctica*.
- 2555.—**U. campestris**, L. English Elm. Europe, North Africa, Siberia.
Planted, 1897. Hardy.
- 2556.—**U. campestris antarctica**.
Syn., *U. antarctica*, Hort.
Planted, 1897. Hardy.
- 2557.—**U. campestris antarctica aurea**.
Planted, 1899.
- 2558.—**U. campestris antarctica pendula**.
Planted, 1896. Hardy.
- 2559.—**U. campestris belgica**.
Planted, 1893. Hardy.
- 2560.—**U. campestris Berardi**. Berard's Elm.
Planted, 1893. Hardy.

ULMUS—ELM—*Continued.*

- 2561.—**U. campestris betulaefolia nigrescens.**
Black Birch-leaved Elm.
Planted, 1897. Hardy.
- 2562.—**U. campestris chinensis.**
Syn., *U. sinensis*.
Planted, 1897. Hardy.
- 2563.—**U. campestris Clemmeri.**
Planted, 1893. Hardy.
U. campestris cornubiensis = *U. glabra cornubiensis*.
- 2564.—**U. campestris corylifolia purpurea.**
Planted, 1893. Hardy.
- 2565.—**U. campestris cucullata.**
Planted, 1897. Hardy.
U. campestris Dampieri aurea = *U. montana fastigiata aurea*.
U. campestris Dovaei = *U. montana Dovaei*.
- 2566.—**U. campestris fol. argenteis marginatis.**
Planted, 1897. Hardy.
- 2567.—**U. campestris fol. argenteis variegatis.**
Planted, 1899.
- 2568.—**U. campestris fol. rubris.**
Planted, 1897. Hardy.
- 2569.—**U. campestris Koopmanni.**
Planted, 1897. Half hardy.
- 2570.—**U. campestris latifolia variegata.**
Planted, 1897. Hardy.
- 2571.—**U. campestris Louis van Houtte.**
Planted, 1898.
- 2572.—**U. campestris macrophylla punctata.**
Planted, 1893. Hardy.
- 2573.—**U. campestris microphylla fol. albobidentatis.**
Planted, 1899.
- 2574.—**U. campestris modiolina.**
Planted, 1899.
- 2575.—**U. campestris monumentalis.**
Planted, 1893. Half hardy.
- 2576.—**U. campestris myrtifolia purpurea.**
Planted, 1893. Hardy.
- 2577.—**U. campestris punctata.**
Planted, 1898.
- 2578.—**U. campestris purpurea.**
Planted, 1893. Hardy.
- 2579.—**U. campestris Rueppelli.**
Planted, 1897. Hardy.
- 2580.—**U. campestris rugosa.**
Planted, 1898.
- 2581.—**U. campestris sarniensis.**
Planted, 1897. Hardy.
- 2582.—**U. campestris serratifolia.**
Planted, 1893. Hardy.
- 2583.—**U. campestris suberosa alata.**
Planted, 1897. Hardy.

ULMUS—ELM—*Continued.*

- 2584.—**U. campestris suberosa pendula.**
Planted, 1899.
U. campestris urticaefolia = *U. montana crispa*.
- 2585.—**U. campestris variegata argentea.**
Planted, 1893. Hardy.
- 2586.—**U. campestris viminalis.**
Planted, 1897. Hardy.
- 2587.—**U. campestris viminalis marginata.**
Planted, 1897. Hardy.
- 2588.—**U. campestris webbiana.**
Planted, 1899.
- 2589.—**U. crassifolia**, NUTT. Arkansas, Texas.
Planted, 1897. Winter killed. Re-planted, 1899.
U. effusa, Willd. = *U. pedunculata*, Foug.
- 2590.—**U. elliptica**, C. KOCH. Turkestan.
Syns., *U. Heyderi*, Spaeth.; *U. sibirica*, Hort.
Planted, 1896. Hardy.
- 2591.—**U. fulva**, MICHX. Slippery or Red Elm.
North America.
Planted, 1893. Hardy.
- 2592.—**U. glabra**, MILL. Smooth or Wych Elm.
Europe.
Planted, 1896. Hardy.
- 2593.—**U. glabra cornubiensis.**
Syn., *U. campestris cornubiensis*.
Planted, 1897. Hardy.
- 2594.—**U. glabra scampstoniensis.**
Planted, 1896. Hardy.
U. Heyderi, Spaeth. = *U. elliptica*, C. Koch.
- 2595.—**U. montana**, WITH. Scotch or Wych Elm.
Europe.
Planted, 1899.
- 2596.—**U. montana atropurpurea.**
Planted, 1896. Hardy.
- 2597.—**U. montana belgica.**
Planted, 1896. Hardy.
- 2598.—**U. montana crispa.**
Syn., *U. campestris urticaefolia*.
Planted, 1896. Hardy.
- 2599.—**U. montana Dovaei.**
Syn., *U. campestris Dovaei*.
Planted, 1893. Hardy.
- 2600.—**U. montana fastigiata.**
Syn., *U. fastigiata Dampieri*; *U. pyramidalis Dampieri*.
Planted, 1896. Hardy.
- 2601.—**U. montana fastigiata aurea.**
Syns., *U. campestris Dampieri aurea*; *U. Wredei aurea*.
Planted, 1893. Hardy.
- 2602.—**U. montana fastigiata glabra.**
Planted, 1898.
- 2603.—**U. montana gigantea.**
Planted, 1897. Hardy.

ULMUS—ELM—*Continued.*

- 2604.—**U. montana horizontalis.**
Planted, 1896. Half hardy.
- 2605.—**U. montana Huntingdoni.**
Planted, 1893. Hardy.
- 2606.—**U. montana laciniata.**
Syn., U. montana triserrata.
Planted, 1897. Hardy.
- 2607.—**U. montana latifolia.**
Planted, 1899.
- 2608.—**U. montana latifolia nigricans.**
Planted, 1896. Hardy.
- 2609.—**U. montana lutescens.**
Planted, 1897. Hardy.
- 2610.—**U. montana macrophylla.**
Planted, 1899.
- 2611.—**U. montana monstrosa.**
Planted, 1899.
- 2612.—**U. montana nana.**
Planted, 1898.
- 2613.—**U. montana nigra.**
Planted, 1899.
- 2614.—**U. montana pendula.**
Planted, 1897. Hardy.
U. montana pyramidalis Dampieri = U. montana fastigiata.
- 2615.—**U. montana serpentina.**
Planted, 1897. Hardy.
- 2616.—**U. montana superba.**
Planted, 1896. Hardy.
- 2617.—**U. montana tricolor.**
Planted, 1896. Hardy.
U. montana triserrata = U. montana laciniata.
- 2618.—**U. montana vegeta.**
Syn., U. vegeta.
Planted, 1893. Hardy.
- 2619.—**U. montana viminalis.**
Planted, 1896. Hardy.
- 2620.—**U. parvifolia,** JACQ. Small-leaved Elm.
China and Japan.
Planted, 1899.
- 2621.—**U. pedunculata,** FOUGER. Pedunculate Elm. Europe.
Syn., U. effusa, Willd.
Planted, 1896. Hardy.
- 2622.—**U. pinnato-racemosa,** DIECK. Siberia.
Planted, 1898.
- 2623.—**U. pumila,** L. Dwarf Elm. Northern Asia.
Planted, 1898.
- 2624.—**U. racemosa,** D. THOMAS. Cork or Rock Elm. North America.
Planted, 1896. Hardy.
U. sibirica, Hort. = U. elliptica, C. Koch.
U. sinensis = U. campestris chinensis.
U. suberosa, Moench = U. campestris suberosa.

ULMUS—ELM—*Concluded.*

- 2625.—**U. tiliifolia,** HORT.
Planted, 1898.
- 2626.—**U. turkestanica,** REGEL. Turkestan Elm.
Turkestan.
Planted, 1899.
U. vegeta = U. montana vegeta.
- 2627.—**U. Wentworthi pendula.**
Planted, 1897. Hardy.
U. Wredei aurea = U. montana fastigiata aurea.

VACCINIUM—CRANBERRY, BLUEBERRY, BILBERRY, HUCKLEBERRY.

- 2628.—**V. canadense,** KALM. Canada Blueberry.
North America.
Planted, 1899.
- 2629.—**V. corymbosum,** L. High-bush or Tall Blueberry. North America.
Planted, 1896. Hardy.
- 2630.—**V. Myrtillus,** L. Myrtle-like Blueberry.
Northern Hemisphere.
Planted, 1898.
- 2631.—**V. pensylvanicum,** LAM. Dwarf or Low Bush Blueberry. North America.
Planted, 1899.
- 2632.—**V. vacillans,** SOLAND. Low Blueberry, Blue Huckleberry. New England to North Carolina and Missouri.
Planted, 1897. Half hardy.
- 2633.—**V. Vitis-idaea,** L. Mountain Cranberry.
Northern hemisphere.
Planted, 1899.

VERONICA.

- 2634.—**V. buxifolia** Purple Queen.
Planted, 1899.

VIBURNUM—ARROW-WOOD, LAURESTINUS.

- 2635.—**V. acerifolium,** L. Maple-leaved Arrow-wood. Canada, Northern United States.
Planted, 1898.
- 2636.—**V. bullatum,** HORT.
Planted, 1898.
- 2637.—**V. cassinoides,** L. Withe-rod. Canada, Northern United States.
Syn., V. pyriform, Pursh.
Planted, 1894. Hardy.
- 2638.—**V. cotinifolium,** D. DON. Himalaya.
Planted, 1897. Hardy.
- 2639.—**V. dentatum,** L. Tooth-leaved Viburnum.
North America.
Planted, 1894. Hardy.
- 2640.—**V. dentatum longifolium.**
Planted, 1897. Hardy.
- 2641.—**V. dilatatum,** THUNB. Japan.
Planted, 1897. Tender.
- 2642.—**V. furcatum,** BLUME. China and Japan.
Planted, 1897. Winter killed.

VIBURNUM—Continued.

- 2643.—**V. hanceanum**, MAXIM. China.
Planted, 1896. Hardy.
- 2644.—**V. japonicum latifolium**.
Planted, 1893. Hardy.
V. Keteleeri, Carr. = *V. macrocephalum*,
Fortune.
- 2645.—**V. Lantana**, L. Wayfaring Tree. Europe,
N. & W. Asia, N. Africa.
Syn., *L. macrophyllum*, L.
Planted, 1889. Hardy.
- 2646.—**V. Lantana fol. aureo-marginatis**.
Golden Variegated Wayfaring Tree.
Planted, 1896. Hardy.
- 2647.—**V. Lantana foliis lanceolatis**. Lance-
leaved Wayfaring Tree.
Planted, 1896. Hardy.
- 2648.—**V. Lantana fol. punctatis**.
Planted, 1896. Hardy.
- 2649.—**V. lantanoides**, MICHX. Lantana-like
Viburnum, Hobble-bush. North Am-
erica.
Planted, 1896. Hardy.
- 2650.—**V. Lentago**, L. Nanny-berry, Sheep-
berry. North America.
Planted, 1889. Hardy.
- 2651.—**V. macrocephalum**, FORTUNE. China.
Planted, 1895. Hardy.
V. macrophyllum, Hort. = *V. Lantana*, L.
- 2652.—**V. molle**, MICHX. Soft-leaved Arrow-
wood. North America.
Planted, 1896. Hardy.
- 2653.—**V. nepalense**.
Planted, 1893. Hardy.
- 2654.—**V. nudum**, L. Larger Withe-rod. Eastern
and Southern United States.
Planted, 1897. Hardy.
- 2655.—**V. odoratissimum**, KER. China.
Planted, 1897. Winter killed.
- 2656.—**V. Opulus**, L. High-bush Cranberry.
Wild Guelder-rose. Northern Hemis-
phere.
Syn., *V. Oxycoccus*, Pursh.
Planted, 1889. Hardy.
V. Opulus globosum = *V. Opulus nanum*.
V. Opulus pygmaeum = *V. Opulus nanum*.
- 2657.—**V. Opulus nanum**. Dwarf High-bush
Cranberry.
Syn., *V. Opulus globosum*; *V. Opulus*
pygmaeum.
Planted, 1894. Hardy.
- 2658.—**V. Opulus roseum**. Rosy High-bush
Cranberry.
Planted, 1896. Hardy.
- 2659.—**V. Opulus roseum Tatteri**.
Planted, 1896. Hardy.
- 2660.—**V. Opulus sterile**. Snow-ball.
Planted, 1889. Hardy.

VIBURNUM—Concluded.

- 2661.—**V. Opulus sterile fol. variegatis**.
Variegated-leaved Snow-ball.
Planted, 1897. Hardy.
V. Oxycoccus, Pursh. = *V. Opulus*, L.
- 2662.—**V. pauciflorum**, PYLAIE. Few-flowered
Cranberry-tree. North America.
Planted, 1899.
V. plicatum, Thunb. = *V. tomentosum*
plicatum.
- 2663.—**V. prunifolium**, L. Black Haw. North
America.
Planted, 1893. Hardy.
- 2664.—**V. pubescens**, PURSH. Downy-leaved
Arrow-wood. North America.
Planted, 1899.
V. pyrifolium, Pursh. = *V. cassinoides*, L.
- 2665.—**V. rugosum**.
Planted, 1894. Hardy.
- 2666.—**V. Sieboldi**, MIQ. Japan.
Planted, 1896. Hardy.
- 2667.—**V. tomentosum**, THUNB. Japan.
Planted, 1897. Tender.
- 2668.—**V. tomentosum plicatum**.
Syn., *V. plicatum*, Thunb.
Planted, 1894. Winter killed.
- 2669.—**V. tomentosum plicatum rotundi-
folium**.
Planted, 1897. Tender.

VIRGILEA—CLADRASTIS.

VIRGIN'S BOWER. See CLEMATIS.

VITEX.

- 2670.—**V. Agnus-castus**, L. Mediterranean
region.
Planted, 1897. Tender.

VITIS—GRAPE, VIRGINIA CREEPER, IVY.

- 2671.—**V. arborea**, L. South United States.
Syn., *Ampelopsis bipinnata*, Michx.
Planted, 1897. Tender.
- 2672.—**V. citrulloides**.
Syn., *Ampelopsis citrulloides*, Lebas.
Planted, 1899.
- 2673.—**V. Coignetiae**, PUL. & PLANCH. Japan.
Planted, 1899.
V. hederacea = *V. quinquefolia*, Lam.
- 2674.—**V. heterophylla**, THUNB. China and
Japan.
Syn., *Ampelopsis aconitifolia*, Hort.; *A.*
heterophylla, Sieb. & Zucc.
Planted, 1895. Winter killed.
- 2675.—**V. heterophylla variegata**.
Planted, 1899.
- 2676.—**V. inconstans**, MIQ. Japanese Ivy.
China and Japan.
Syn., *Ampelopsis Roylei*, Hort.; *Ampelop-*
sis tricuspidata, Sieb. & Zucc.; *Ampel-*
opsis Veitchii, Hort.
Planted, 1897. Tender.

VITIS—Continued.

- 2677.—**V. indivisa**, WILLD. North America.
Planted, 1897. Tender.
- 2678.—**V. Labrusca**, L. Northern Fox Grape.
North America.
Planted, 1896. Hardy.
- 2679.—**V. Maximowiczii**.
Syn., *Ampelopsis Maximowiczii*.
Planted, 1897. Tender.
V. odoratissima, C. Don = *V. riparia mascula*.
- 2680.—**V. orientalis**, BOISS. Orient.
Syn., *Cissus orientalis*, Lam.
Planted, 1895. Winter killed.
- 2681.—**V. pentaphylla**, THUNB. Japan.
Planted, 1897. Degree of hardiness not yet determined.
- 2682.—**V. quinquefolia**, LAM. Virginia Creeper.
North America.
Syns., *Ampelopsis hederacea*, DC.; *Ampelopsis quinquefolia*, Michx.
Planted, 1894. Hardy.
- 2683.—**V. quinquefolia dissecta**.
Planted, 1897.
- 2684.—**V. quinquefolia Engelmanni**.
Syn., *Ampelopsis Engelmanni*.
Planted, 1895. Hardy.
- 2685.—**V. quinquefolia hirsuta**. Hirsute Virginian Creeper.
Syn., *Ampelopsis hirsuta*.
Planted, 1889. Hardy.
- 2686.—**V. quinquefolia latifolia**.
Planted, 1896. Hardy.
- 2687.—**V. quinquefolia minor**.
Planted, 1897. Hardy.
- 2688.—**V. quinquefolia serrata**.
Planted, 1896. Hardy.
- 2689.—**V. riparia**, MICHX. Riverside or Sweet-scented Grape. North America.
Planted, 1896. Hardy.
- 2690.—**V. riparia mascula**.
Syn., *V. odoratissima*, C. Don.
Planted, 1898. Hardy.
- 2691.—**V. rubricaulis**.
Syn., *Ampelopsis rubricaulis*.
Planted, 1895. Tender.
V. Roylei, Hort. = *V. inconstans*, Miq.
- 2692.—**V. serianæfolia**, MAXIM. China and Japan.
Planted, 1899.
- 2693.—**V. Thunbergii**, SIEB. & ZUCC. China and Japan.
Planted, 1897. Tender.
V. tricuspidata (*Ampelopsis tricuspidata*, Sieb. & Zucc.) = *V. inconstans*, Miq.
V. variegata (*Cissus variegata*) = *V. heterophylla variegata*.
V. Veitchii (*Ampelopsis Veitchii*, Hort.) = *V. inconstans*, Miq.

VITIS—Concluded.

WALNUT. See JUGLANS.
WEIGELA. See DIERVILLA.
WILLOW. See SALIX.

WISTARIA.

- 2694.—**W. brachbotrys**, SIEB. & ZUCC. Japan.
Planted, 1899.
- 2695.—**W. chinensis**, DC. Chinese Wistaria.
China.
Syn., *W. sinensis*, Sweet.
Planted, 1897. Tender.
- 2696.—**W. chinensis alba**. White Chinese Wistaria.
Planted, 1897. Tender.
- 2697.—**W. chinensis plena**.
Planted, 1897. Tender.
- 2698.—**W. frutescens**, DC. Shrubby Wistaria.
United States.
Syn., *Glycine frutescens*, L.
Planted, 1897. Tender.
- 2699.—**W. frutescens alba**. White Shrubby Wistaria.
Planted, 1897. Tender.
- 2700.—**W. japonica**, SIEB. & ZUCC. Japan Wistaria. Japan.
Syn., *Milletia japonica*, A. Gray.
Planted, 1897. Tender.
- 2701.—**W. magnifica**.
Planted, 1897. Tender.
- 2702.—**W. multijuga**, VAN HOUTTE. China.
Planted, 1897. Tender.
- 2703.—**W. multijuga alba**.
Planted, 1897. Tender.
W. sinensis, Sweet = *W. chinensis*, DC.
WITCH HAZEL. See HAMAMELIS.

XANTHOCERAS.

- 2704.—**X. sorbifolia**, BUNGE. North China.
Planted, 1899.

XANTHORRHIZA—SHRUB YELLOW-ROOT.

- 2705.—**X. apiifolia**, L'HERIT. Parsley-leaved Yellow root. United States.
Planted, 1894. Hardy.

XANTHOXYLUM—PRICKLY ASH.

- 2706.—**X. americanum**, MILL. Northern Prickly Ash. United States, Canada.
Syn., *X. fraxineum*, Willd.
Planted, 1890. Hardy.
X. fraxineum, Willd. = *X. americanum*, Mill.
- 2707.—**X. piperitum**, DC. China, Japan.
Planted, 1899.
YELLOW-WOOD. See CLADRASTIS.

YUCCA.

- 2708.—**Y. angustifolia**, PURSH. Missouri to Colorado and New Mexico.
Planted, 1898.
- 2709.—**Y. filamentosa**, L. Southern United States.
Planted, 1895. Hardy.
- 2710.—**Y. filamentosa flaccida**.
Planted, 1895. Hardy.
- 2711.—**Y. recurvifolia**, SALISB. Southern United States.
Planted, 1897. Hardy.

ZELKOWA.

- 2712.—**Z. acuminata**, PLANCH. Japan.
Syn., *Z. Keaki*, Maxim.; *Z. japonica*.
Planted, 1897. Hardy.
Z. carpinifolia, Dippel = *Z. crenata*, Spach.
- 2713.—**Z. crenata**, SPACH. Caucasus.
Syn., *Z. carpinifolia*, Dipp.: *Planera Richardi*, Michx.
Planted, 1897. Half hardy.
- 2714.—**Z. cuspidata**.
Syn., *Planera cuspidata*.
Planted, 1897. Half hardy.
Z. japonica = *Z. acuminata*.
- 2715.—**Z. japonica Verschaefelti**.
Syn., *Z. Verschaefelti*, Dippel.
Planted, 1899.
Z. Keaki, Maxim. = *Z. acuminata*, Planch.
Z. Richardi (*Planera Richardi*, Michx.) = *Z. crenata* Spach.
Z. Verschaefelti, Dippel = *Z. japonica Verschaefelti*.

LIST OF CONIFERÆ.**ABIES—FIR—SPRUCE.**

- Abies alba*, Michx. = *Picea alba*, Link.
A. ajanensis, Veitch. = *Picea ajanensis*, Fisch.
A. alcockiana, Veitch. = *Picea alcockiana*, Carr.
- 2716.—**A. amabilis**, FORBES. Lovely Silver Fir. British Columbia to Oregon.
Planted, 1899.
A. Apollinis, Link. = *A. cephalonica*, Loud.
- 2717.—**A. balsamea**, MILL. Balsam Fir. North East America.
Planted, 1890. Hardy.
- 2718.—**A. balsamea globosa**. Globose Balsam Fir.
Planted, 1895. Hardy.
A. balsamea Fraseri = *A. Fraseri*, Lindl.
A. balsamea Fraseri albo-variegata = *A. Fraseri albo-variegata*.
- ABIES—Continued.**
- 2719.—**A. balsamea variegata**. Variegated Balsam Fir.
Planted, 1899.
- 2720.—**A. balsamea** (wide-leaved form).
Planted, 1896. Hardy.
A. bicolor, Maxim. = *Picea alcockiana*, Carr.
- 2721.—**A. brachyphylla**, MAXIM. Japan.
Planted, 1897. Hardy.
- 2722.—**A. cephalonica**, LOUD. Cephalonian Fir. Mountains of Greece.
Syn., *A. Apollinis*, Link.
Planted, 1894. Half hardy.
- 2723.—**A. cilicica**, CARR. Cilician Fir. Cilician Taurus.
Planted, 1897. Hardy.
- 2724.—**A. concolor**, LINDL. & GORD. One Coloured Fir. Colorado, Utah, Arizona.
Planted, 1893. Hardy.
- 2725.—**A. concolor violacea**.
Planted, 1898.
A. Douglasii, Lindl. = *Pseudotsuga Douglasii*, Carr.
A. Engelmanni, Parry = *Picea Engelmanni*, Engelm.
A. excelsa, DC. = *Picea excelsa*, Link.
- 2726.—**A. firma**, SIEB. & ZUCC. Japan.
Planted, 1897. Hardy.
- 2727.—**A. Fraseri**, LINDL. Fraser's Balsam Fir. Mountains of Carolina.
Planted, 1899.
- 2728.—**A. Fraseri albo-variegata**. Variegated Fraser's Balsam Fir.
Syn., *A. balsamea Fraseri albo-variegata*.
Planted, 1898.
- 2729.—**A. lasiocarpa**, HOOK. British Columbia to Colorado.
Syn., *A. subalpina*, Engelm.
Planted, 1895. Hardy.
- 2730.—**A. magnifica**, A. MURR. California Sierras.
Planted, 1895. Half hardy.
- 2731.—**A. magnifica glauca**.
Planted, 1899.
A. Maximowiczii, Hort. = *Picea Maximowiczii*, Regel.
A. Menziesii, Loud. = *Picea sitchensis*, Trautv. & Mey.
A. Morinda, Loud. = *Picea Morinda*, Link.
A. nigra, Poir. = *Picea nigra*, Link.
- 2732.—**A. nobilis**, LINDL. Noble Silver Fir. Oregon, California.
Planted, 1895. Hardy.
- 2733.—**A. nobilis argentea**. Variegated Noble Fir.
Planted, 1898.
- 2734.—**A. nobilis glauca**. Glauconous Noble Fir.
Planted, 1895. Hardy.

ABIES—Concluded.

- 2735.—**A. nordmanniana**, SPACH. Nordmann's Fir. Crinea.
Planted, 1895. Hardy.
- 2736.—**A. numidica**, DE LANNOY. Algerian Mountains.
Planted, 1897. Hardy.
A. orientalis, Poir. = *Picea orientalis*, Carr.
A. parryana glauca = *Picea pungens glauca*.
- 2737.—**A. pectinata**, DC. European Silver Fir. Mountains of Central and Southern Europe.
Planted, 1897. Hardy.
- 2738.—**A. pectinata pendula**. Drooping European Silver Fir.
Planted, 1894. Hardy.
A. pichta, Forbes = *A. sibirica*, Ledeb.
- 2739.—**A. Pinsapo**, BOISS. Pinsapo Silver Fir. Mountains of Southern Spain.
Planted, 1894. Winter killed.
A. polita, Sieb. & Zucc. = *Picea polita*, Carr.
A. Remonti = *Picea excelsa Remonti*.
- 2740.—**A. sachalinensis**, MAST. Sachalin, Yesso.
Syn., *A. Veitchii sachalinensis*.
Planted, 1899.
- 2741.—**A. sibirica**, LEDEB. Siberian Fir. North and East Russia.
Syn., *A. Pichta*, Forbes.
Planted, 1894. Winter killed. Re-planted, 1899.
A. subalpina, Engelm. = *A. lasiocarpa*, Hook.
- 2742.—**A. umbilicata**, MAYR.
Planted, 1897. Died. Re-planted, 1899.
- 2743.—**A. Veitchii**, LINDL. Mountains of Japan.
Planted, 1897. Hardy.
A. Veitchii sachalinensis = *A. sachalinensis*, Mast.
- ARBOR VITAE. See THUYA.
BIOTA. See THUYA.

CEDRUS—CEDAR.

- 2744.—**C. atlantica**, MANETTI. North Africa.
Planted, 1895. Winter killed.
- 2745.—**C. atlantica glauca**.
Planted, 1895. Tender.
- 2746.—**C. Deodara**, LOUD. Deodar Cedar. Himalaya.
Planted, 1895. Winter killed.
- 2747.—**C. Deodara variegata**. Variegated Deodar Cedar.
Planted, 1895. Winter killed.
- 2748.—**C. Deodara verticillata glauca**. Glau-
cous Deodar Cedar.
Planted, 1895. Winter killed.
- 2749.—**C. Libani**, LOUD. Cedar of Lebanon.
Syrian Mountains.
Planted, 1895. Tender.

CEPHALOTAXUS.

- 2750.—**C. drupacea**, SIEB. & ZUCC. Japan.
Planted, 1895. Winter killed.
- 2751.—**C. Fortuni**, HOOK. Northern China.
Planted, 1897. Half hardy.
- 2752.—**C. pedunculata fastigiata**.
Syn., *Podocarpus koraianus*, Hort.
Planted, 1895. Winter killed. Re-planted, 1899.
- CHAMAECYPARIS. See CUPRESSUS.

CRYPTOMERIA.

- 2753.—**C. japonica**, D. DON. Japanese Cryptomeria. Mountains of Japan and China.
Planted, 1895. Winter killed.

CUPRESSUS—CYPRESS.

CHAMAECYPARIS.

- 2754.—**C. Hoopesii**.
Planted, 1894. Hardy.
- 2755.—**C. lawsoniana**, A. MURR. Lawson's Cypress. North California, Oregon.
Syn., *Chamaecyparis lawsoniana*, Parl.
Planted, 1895. Tender.
- 2756.—**C. lawsoniana aurea nova**. Golden Lawson's Cypress.
Planted, 1895. Winter killed.
- 2757.—**C. lawsoniana compacta**.
Planted, 1895. Half hardy.
- 2758.—**C. lawsoniana erecta alba**.
Planted, 1898.
- 2759.—**C. lawsoniana erecta viridis**. Erect Lawson's Cypress.
Planted, 1895. Half hardy.
- 2760.—**C. lawsoniana Fraseri**.
Planted, 1898.
- 2761.—**C. lawsoniana glauca**. Glau-
cous Cypress.
Planted, 1895. Winter killed.
- 2762.—**C. lawsoniana globosa**. Globose Lawson's Cypress.
Planted, 1895. Half hardy.
- 2763.—**C. lawsoniana lutea**. Yellow Lawson's Cypress.
Planted, 1895. Winter killed. Re-planted, 1898.
- 2764.—**C. lawsoniana minima glauca**.
Planted, 1898.
- 2765.—**C. lawsoniana monumentalis**.
Planted, 1898.
- 2766.—**C. lawsoniana nana glauca**.
Planted, 1898.
- 2767.—**C. lawsoniana nana argenteis variegatis**.
Planted, 1898.
- 2768.—**C. lawsoniana robusta**.
Planted, 1898.
- 2769.—**C. lawsoniana**. Silver Queen.
Planted, 1895. Half hardy.



Group of Conifers in the Arboretum at the Central Experimental Farm.

CUPRESSUS—CYPRESS—*Continued.*

- 2770.—**C. lawsoniana versicolor.** Planted, 1898.
- 2771.—**C. nootkatensis.** LAMB. Nootka Sound Cypress. Oregon, British Columbia.
Syn., Chamaecyparis nutkaensis, Spach.; Thuiopsis borealis, Hort.
Planted, 1895. Hardy.
- 2772.—**C. nootkatensis glauca.** Glauous Nootka Sound Cypress.
Planted, 1890. Hardy.
- 2773.—**C. nootkatensis pendula.** Drooping Nootka Sound Cypress.
Planted, 1897. Hardy.
- 2774.—**C. nootkatensis viridis.** Green Nootka Sound Cypress.
Planted, 1898.
- 2775.—**C. nootkatensis Wisseli.** Planted, 1898.
- 2776.—**C. obtusa.** C. KOCH. Obtuse Cypress. Mountains of Japan.
Syn., Retinospora obtusa, Sieb. & Zucc.
Planted, 1894. Hardy.
- 2777.—**C. obtusa aurea.** Golden Obtuse Cypress.
Planted, 1898.
- 2778.—**C. obtusa flicoides.** Thread-like Obtuse Cypress.
Planted, 1899.
- 2779.—**C. obtusa gracilis aurea.** Golden Obtuse Cypress.
Planted, 1899.
- 2780.—**C. obtusa lycopodioides.**
Syn., Retinospora lycopodioides.
Planted, 1894. Hardy.
- 2781.—**C. obtusa nana.** Dwarf Obtuse Cypress.
Planted, 1894. Hardy.
- 2782.—**C. obtusa nana aurea.** Golden Dwarf Obtuse Cypress.
Planted, 1896. Hardy.
- 2783.—**C. obtusa robusta.** Robust Obtuse Cypress.
Planted, 1896. Hardy.
- 2784.—**C. obtusa viridis.** Green Obtuse Cypress.
Planted, 1899.
- 2785.—**C. pisifera.** C. KOCH. Mountains of Japan.
Syn., Retinospora pisifera, Sieb. & Zucc.
Planted, 1894. Hardy.
- 2786.—**C. pisifera aurea.** Planted, 1898.
- 2787.—**C. pisifera filifera.**
Syn., Retinospora filifera.
Planted, 1893. Hardy.
- 2788.—**C. pisifera filifera aurea.** Planted, 1899.
- 2789.—**C. pisifera plumosa.** Plumose Retinospora.
Planted, 1890. Hardy.

CUPRESSUS—CYPRESS—*Concluded.*

- 2800.—**C. pisifera plumosa argentea.** Silver Plumose Retinospora.
Planted, 1897. Hardy.
- 2801.—**C. pisifera plumosa aurea.** Golden Plumose Retinospora.
Planted, 1890. Hardy.
- 2802.—**C. pisifera plumosa aurea nana.** Planted, 1897. Hardy.
- 2803.—**C. pisifera plumosa compacta.** Planted, 1894. Hardy.
- 2804.—**C. pisifera plumosa flavescens.** Planted, 1899.
- 2805.—**C. pisifera plumosa lutescens.** Planted, 1896. Hardy.
- 2806.—**C. pisifera squarrosa.** Planted, 1893. Hardy.
- 2807.—**C. pisifera squarrosa sulphurea.** Planted, 1899.
- 2808.—**C. pisifera stricta.** Planted, 1899.
- 2809.—**C. pisifera stricta lutescens.** Planted, 1896. Hardy.
- 2810.—**C. pisifera sulphurea.** Planted, 1897. Hardy.
- 2811.—**C. thyoides.** L. Southern White Cedar. East United States.
Syn., Chamaecyparis sphaeroidea, Spach.
Planted, 1894. Hardy.
- 2812.—**C. thyoides glauca.** Planted, 1897. Hardy.
CYPRESS. See CUPRESSUS.
CYPRESS, BALD. See TAXODIUM.
FIR. See ABIES.

GINKGO—MAIDEN-HAIR TREE.

- 2813.—**G. biloba.** L. Maiden-hair Tree. China.
Syn., Salisburia adiantifolia, Salisb.
Planted, 1889. Hardy.
- 2814.—**G. biloba fastigiata.** Pyramidal Maiden-hair Tree.
Planted, 1895. Hardy.
- 2815.—**G. biloba variegata.** Variegated Maiden-hair Tree.
Planted, 1897. Hardy.
Glyptostrobus pendulus, Endl. = Taxodium distichum pendulum.
HEMLOCK. See TSUGA.

JUNIPERUS—JUNIPER.

- 2816.—**J. bermudiana.** L. Bermuda Juniper. Planted, 1895. Hardy.
- 2817.—**J. chinensis.** L. Chinese Juniper. Himalaya, China and Japan.
Syn., J. japonica, Carr.
Planted, 1897. Hardy.

JUNIPERUS—JUNIPER—*Continued.*

- 2818.—*J. chinensis argenteo-variegata*. Silver Variegated Chinese Juniper.
Planted, 1896. Hardy.
- 2819.—*J. chinensis aurea*. Golden Chinese Juniper.
Planted, 1896. Half hardy.
- 2820.—*J. chinensis femina*.
Planted, 1896. Hardy.
- 2821.—*J. chinensis jacobiniana*.
Planted, 1896. Hardy.
- 2822.—*J. chinensis leonana*.
Planted, 1897. Hardy.
- 2823.—*J. chinensis mascula*.
Planted, 1898.
- 2824.—*J. chinensis pendula*. Drooping Chinese Juniper.
Planted, 1898.
- 2825.—*J. chinensis procumbens*.
Planted, 1898.
- 2826.—*J. chinensis procumbens aurea*. Golden Creeping Chinese Juniper.
Planted, 1896. Hardy.
- 2827.—*J. chinensis Triomphe d'Angers*.
Planted, 1899.
- 2828.—*J. communis*, L. Common Juniper. America, Europe, Siberia.
Growing naturally. Hardy.
- 2829.—*J. communis alpina*. Low Juniper.
Syn., *J. nana canadensis*.
Planted, 1898.
- 2830.—*J. communis alpina aurea*.
Planted, 1897. Hardy.
- 2831.—*J. communis aurea*. Golden Juniper.
Planted, 1890. Hardy.
- 2832.—*J. communis aureo-variegata*. Variegated Juniper.
Planted, 1898.
- 2833.—*J. communis fastigiata*. Irish Juniper.
Syns., *J. hibernica*, *Gord.*; *J. suecica*, *Mill.*
Planted, 1890. Hardy.
- 2834.—*J. communis fastigiata compacta*.
Planted, 1894. Hardy.
J. communis hibernica = *J. communis fastigiata*.
- 2835.—*J. communis oblonga pendula*.
Planted, 1897. Hardy.
J. communis suecica = *J. communis fastigiata*.
- 2836.—*J. communis uralensis*.
Planted, 1896. Hardy.
- 2837.—*J. davurica*, *PALL.* Siberia.
Planted, 1896. Hardy.
- 2838.—*J. drupacea*, *LABILL.* Greece, Asia Minor, Syria.
Planted, 1898.
J. elegans variegata = *J. virginiana elegans variegata*.

JUNIPERUS—JUNIPER—*Continued.*

- 2839.—*J. excelsa stricta*.
Syn., *J. stricta*, *Hort.*
Planted, 1890. Hardy.
- 2840.—*J. excelsa vera*.
Planted, 1899.
J. fragrans, *Knight* = *J. virginiana pyramidalis*.
J. glauca, *Willd.* = *J. virginiana glauca*.
J. hibernica, *Gord.* = *J. communis fastigiata*.
J. japonica, *Carr.* = *J. chinensis*, *L.*
- 2841.—*J. litoralis*, *MAXIM.* Japan.
Planted, 1897. Hardy.
- 2842.—*J. macrocarpa*, *SIBTH.* Mediterranean Region.
Syn., *J. neaboriensis*, *Hort.*
Planted, 1890. Hardy.
J. nana canadensis = *J. communis alpina*.
- 2843.—*J. Oxycedrus*, *L.* South Europe.
Planted, 1899.
- 2844.—*J. pseudo-sabina*, *FISH. & MEY.* Siberia, Himalaya, Tibet.
Planted, 1896. Hardy.
- 2845.—*J. recurva*, *BUCH-HAM.* Nepal, Cashmir.
Syn., *J. repanda*, *Hort.*
Planted, 1899.
- 2846.—*J. recurva squamata*.
Planted, 1896. Hardy.
J. repanda, *Hort.* = *J. recurva*, *Buch-Ham.*
J. retinospora = *Cupressus ericoides*.
- 2847.—*J. rigida*, *SIEB. & ZUCC.* Mountains of Japan.
Planted, 1896. Hardy.
- 2848.—*J. Sabina*, *L.* Common Savin. Mountains of Europe and N. America.
Planted, 1893. Hardy.
- 2849.—*J. Sabina erecta*. Erect Savin.
Planted, 1896. Hardy.
- 2850.—*J. Sabina humilis*. Dwarf Savin.
Planted, 1896. Hardy.
- 2851.—*J. Sabina mascula*.
Planted, 1899.
- 2852.—*J. Sabina procumbens*. Creeping Savin.
Planted, 1899.
- 2853.—*J. Sabina tamariscifolia*. Tamarisk-leaved Savin.
Planted, 1894. Hardy.
- 2854.—*J. Sabina variegata*. Variegated Savin.
Planted, 1896. Hardy.
J. Schottii, *Hort.* = *J. virginiana Schottii*.
J. sinensis, *J. F. Gmel.* = *J. chinensis*, *L.*
- 2855.—*J. sphaerica*, *LINDL.* North China.
Planted, 1897. Hardy.
J. stricta, *Hort.* = *J. excelsa stricta*.
J. suecica, *Mill.* = *J. communis fastigiata*.
J. tamariscifolia, *Hort.* = *J. Sabina tamariscifolia*.
J. tripartita = *J. virginiana tripartita*.

JUNIPERUS—JUNIPER—Concluded.

- 2856.—*J. virginiana*, L. Red Cedar, Virginian Juniper. North-East America to Florida and Jamaica, and in Vancouver. Planted, 1896. Hardy.
- 2857.—*J. virginiana albo-variegata*. Variegated Virginian Juniper. Planted, 1897. Hardy.
- 2858.—*J. virginiana argentea*. Planted, 1899.
- 2859.—*J. virginiana Cannartii*. Planted, 1896. Hardy.
- 2860.—*J. virginiana Chamberlaynii*. Planted, 1896. Hardy.
- 2861.—*J. virginiana cinerascens*. Planted, 1896. Hardy.
- 2862.—*J. virginiana elegans variegata*. *Syn.*, *J. elegans variegata*. Planted, 1899.
- 2863.—*J. virginiana elegantissima*. Elegant Virginian Juniper. Planted, 1896. Hardy.
- 2864.—*J. virginiana glauca*. Glauous Virginian Juniper. Planted, 1895. Hardy.
- 2865.—*J. virginiana glauca pendula*. Planted, 1897. Died. Re-planted, 1899.
- 2866.—*J. virginiana interrupta*. Planted, 1897. Died. Re-planted, 1899.
- 2867.—*J. virginiana kosteriana*. Planted, 1897. Hardy.
- 2868.—*J. virginiana nana*. Dwarf Virginian Juniper. Planted, 1897. Died. Re-planted, 1899.
- 2869.—*J. virginiana nana compacta*. Planted, 1898.
- 2870.—*J. virginiana pendula*. Drooping Virginian Juniper. Planted, 1897. Hardy.
- 2871.—*J. virginiana plumosa*. Plumose Virginian Juniper. Planted, 1897. Hardy.
- 2872.—*J. virginiana plumosa alba*. Planted, 1898.
- 2873.—*J. virginiana pyramidalis*. Pyramidal Virginian Juniper. *Syn.*, *J. fragrans*, Knight. Planted, 1896. Hardy.
- 2874.—*J. virginiana Schottii*. Planted, 1894. Hardy.
- 2875.—*J. virginiana Triomphe d'Angers*. Planted, 1896. Hardy.
- 2876.—*J. virginiana tripartita*. Planted, 1897. Hardy.

LARIX—LARCH—TAMARACK.

- L. americana*, Michx. = *L. pendula*, Salisb.
- 2877.—*L. davurica japonica*. Planted, 1896. Hardy.
- 2878.—*L. europaea*, DC. European Larch. European Alps. Planted, 1889. Hardy.
- 2879.—*L. europaea glauca pendula*. Planted, 1899.
- 2880.—*L. europaea pendula*. Drooping European Larch. Planted, 1893. Hardy.
L. Kämpferi, Carr. = *Pseudolarix Kämpferi*, Gord.
L. Ledebourii, Rupr. = *L. sibirica*, Ledeb.
- 2881.—*L. leptolepis*, ENDL. Japan. Planted, 1899.
- 2882.—*L. leptolepis murrayana*. Planted, 1896.
- 2883.—*L. Lyallii*, PARL. North-Western North America. Planted, 1899.
- 2884.—*L. occidentalis*, NUTT. North-Eastern America. Planted, 1899.
- 2885.—*L. pendula*, SALISB. American Larch. Tamarack. North America. *Syn.*, *L. americana*, Michx. Planted, 1899. Hardy.
- 2886.—*L. sibirica*, LEDEB. Siberian Larch. Siberia. *Syn.*, *L. Ledebourii*, Rupr. Planted, 1896. Hardy.

LIBOCEDRUS.

- 2887.—*L. chilensis*, ENDL. Chilean Andes. Planted, 1895. Winter killed.
- 2888.—*L. viridis*. Planted, 1895. Winter killed.
- MAIDEN-HAIR TREE. See GINKEO.

PICEA—SPRUCE.

- 2889.—*P. alba*, LINK. White Spruce. North-Eastern America, British Columbia. *Syn.*, *Abies alba*, Michx. Planted, 1889. Hardy.
- 2890.—*P. alba aurea*. Golden White Spruce. Planted, 1897. Hardy.
- 2891.—*P. alba compacta*. Planted, 1898.
- 2892.—*P. alba cœrulea*. Planted, 1897. Hardy.
- 2893.—*P. alba cœrulea Hudsoni*. Planted, 1899.
- 2894.—*P. alba echiniformis*. Planted, 1899.
- 2895.—*P. alba nivea*. Planted, 1899.

PICEA—SPRUCE—Continued.

- 2896.—**P. alba wœrlitzensis.**
Planted, 1897. Died to near ground.
- 2897.—**P. ajanensis,** FISCH. Amoor, Japan.
Planted, 1896. Hardy.
- 2898.—**P. alcockiana,** CARR. Alcock's Spruce.
Japan.
Planted, 1890. Hardy.
- 2899.—**P. Engelmanni,** ENGELM. Engelmann's
Spruce. British Columbia, Oregon to
Arizona.
Planted, 1897. Hardy.
- 2900.—**P. Engelmanni argentea.**
Planted, 1897. Hardy.
- 2901.—**P. Engelmanni glauca.**
Planted, 1895. Hardy.
- 2902.—**P. excelsa,** LINK. Norway Spruce. Moun-
tains of Northern and Central Europe.
Planted, 1890. Hardy.
- 2903.—**P. excelsa argentea.** Silvered Norway
Spruce.
Planted, 1898.
- 2904.—**P. excelsa aurea.** Golden Norway Spruce.
Planted, 1896. Hardy.
- 2905.—**P. excelsa aurea magnifica.**
Planted, 1898.
- 2906.—**P. excelsa carpathica.**
Planted, 1897. Hardy.
- 2907.—**P. excelsa clanbrassiliana.**
Planted, 1895. Hardy.
- 2908.—**P. excelsa compacta.** Compact Norway
Spruce.
Planted, 1895. Hardy.
- 2909.—**P. excelsa compacta pyramidalis.**
Planted, 1897. Hardy.
- 2910.—**P. excelsa Cranstoni.** Re-planted, 1899.
Planted, 1897. Died.
- 2911.—**P. excelsa Doumetti.**
Planted, 1895. Hardy.
- 2912.—**P. excelsa dumosa.**
Planted, 1897. Hardy.
- 2913.—**P. excelsa elegans.**
Planted, 1899.
- 2914.—**P. excelsa Eremita.**
Planted, 1896. Hardy.
- 2915.—**P. excelsa finodonensis.**
Planted, 1895. Hardy.
- 2916.—**P. excelsa gregoryana.**
Planted, 1897. Half hardy.
- 2917.—**P. excelsa inverta.**
Planted, 1890. Hardy.
- 2918.—**P. excelsa Maxwellii.**
Planted, 1896. Hardy.
- 2919.—**P. excelsa Merkii.**
Planted, 1895. Hardy.
- 2920.—**P. excelsa mucronata.**
Planted, 1897. Hardy.

PICEA—SPRUCE—Continued.

- 2921.—**P. excelsa nana.** Dwarf Norway Spruce.
Planted, 1897. Hardy.
- 2922.—**P. excelsa pendula major.**
Planted, 1898.
- 2923.—**P. excelsa pinsapoides.**
Planted, 1895. Hardy.
- 2924.—**P. excelsa pumila.**
Planted, 1897. Hardy.
- 2925.—**P. excelsa pygmaea.**
Planted, 1895. Hardy.
- 2926.—**P. excelsa pyramidalis.** Pyramidal Nor-
way Spruce.
Planted, 1896. Hardy.
- 2927.—**P. excelsa Remontii.**
Planted, 1895. Hardy.
- 2928.—**P. excelsa repens.**
Planted, 1898.
- 2929.—**P. excelsa variegata.** Variegated Norway
Spruce
Planted, 1897. Hardy.
- 2930.—**P. Hookerii.**
Planted, 1899.
- 2931.—**P. Maximowiczii,** Regel. Japan.
Planted, 1899.
*P. Menziesii, Carr. = P. sitchensis, Trautv.
& Mey.*
- 2932.—**P. Morinda,** LINK. Himalaya.
Planted, 1897. Hardy.
- 2933.—**P. nigra,** LINK. Black Spruce. North
Eastern America.
Planted, 1890. Hardy.
- 2934.—**P. nigra Doumetti.**
Planted, 1897. Hardy.
- 2935.—**P. nigra pumila.** Small Black Spruce.
Planted, 1896. Hardy.
- 2936.—**P. obovata japonica.**
Planted, 1898.
- 2937.—**P. obovata schrenkiana.**
Syn., P. schrenkiana.
Planted, 1896. Hardy.
- 2938.—**P. Omorica,** MAST. Servia, Bosnia.
Planted, 1897. Hardy.
- 2939.—**P. orientalis,** CARR. Oriental Spruce.
Mountains of the Taurus and Caucasus.
Planted, 1894. Hardy.
- 2940.—**P. orientalis pygmaea.** Dwarf Oriental
Spruce.
Planted, 1897. Hardy.
- 2941.—**P. polita,** CARR. Mountains of Japan.
Syn., Abies polita, Sieb. & Zucc.
Planted, 1894. Hardy.
- 2942.—**P. pungens,** ENGELM. Rocky Mountain
Blue Spruce. Colorado, Utah, and
California.
Planted, 1889. Hardy.
- 2943.—**P. pungens argentea.**
Planted, 1897. Hardy.

PICEA—SPRUCE—*Concluded.*

- 2944.—**P. pungens** (dwarf).
Planted, 1896. Hardy.
- 2945.—**P. pungens glauca**.
Planted, 1889. Hardy.
- 2946.—**P. pungens Kosteri glauca**.
Planted, 1898.
- 2947.—**P. rubra**, LINK. Red Spruce. Eastern North America.
Planted, 1896. Hardy.
P. schrenkiana = *P. obovata schrenkiana*.
- 2948.—**P. sitchensis**, TRAUTV. & MEY. North-West America.
Syn., *P. Menziesii*, Dougl.
Planted, 1895. Hardy.

PINUS—PINE.

- P. austriaca*, Hoess. = *P. Laricio nigricans*.
- 2949.—**P. banksiana**, LAMB. Labrador Pine. Banksian Pine. North-Eastern Canada and United States.
Planted, 1896. Hardy.
P. benthamiana, Hartw. = *P. ponderosa*, Dougl.
- 2950.—**P. Cembra**, L. Stone Pine. Mountains of Central Europe, Siberia.
Planted, 1889. Hardy.
- 2951.—**P. Cembra sibirica**. Siberian Stone Pine.
Planted, 1896. Hardy.
- 2952.—**P. contorta**, DOUGL. Twisted Pine. North-West America, near the coast.
Planted, 1897. Hardy.
- 2953.—**P. contorta murrayana**. Murray's Twisted Pine.
Planted, 1896. Hardy.
- 2954.—**P. densiflora**, SIEB. & ZUCC. Japan.
Planted, 1897. Hardy.
- 2955.—**P. densiflora aureo-variegata**.
Planted, 1897. Winter killed.
- 2956.—**P. densiflora oculus draconis**.
Planted, 1897. Hardy.
- 2957.—**P. excelsa**, WALL. Lofty Pine. Temperate Himalaya.
Planted, 1890. Hardy.
- 2958.—**P. halepensis**, MILL. Aleppo Pine. Mediterranean Region.
Planted, 1895. Winter killed.
- 2959.—**P. inops**, SOLAND. Jersey Pine. Scrub Pine. North-Eastern United States.
Planted, 1899.
- 2960.—**P. Jeffreyi**, A. MURR. Jeffrey's Pine. California.
Planted, 1889. Winter killed.
- 2961.—**P. koraiensis**, SIEB. & ZUCC. Korea, Japan.
Planted, 1896. Hardy.
- 2962.—**P. koraiensis variegata**.
Planted, 1897. Hardy.

PINUS—PINE—*Concluded.*

- 2963.—**P. Laricio**, POIR. Corsican Pine. South Europe, Levant.
Planted, 1897. Half hardy.
- 2964.—**P. Laricio nana compacta**. Dwarf Compact Corsican Pine.
Planted, 1890. Hardy.
- 2965.—**P. Laricio nigricans**. Black Corsican Pine. Austrian Pine.
Syn., *P. austriaca*, Hoess.
Planted, 1889. Hardy.
P. massoniana, Sieb. & Zucc. = *P. Thunbergii*, Parl.
- 2966.—**P. montana**, DUROI. Mountain Pine. Mountains of Central and Southern Europe.
Planted, 1895. Hardy.
- 2967.—**P. montana Mughus**. Dwarf Mountain Pine.
Syn., *P. Mughus*, Scop.
Planted, 1890. Hardy.
P. Mughus, Scop. = *P. montana Mughus*.
P. murrayana, Lemmon = *P. contorta murrayana*.
- 2968.—**P. parviflora**, SIEB. & ZUCC. Japan.
Planted, 1899.
- 2969.—**P. Penke**, GRISEB. Macedonia.
Planted, 1896. Hardy.
- 2970.—**P. ponderosa**, DOUGL. Heavy Wooded Pine. British Columbia to Texas.
Planted, 1890. Hardy.
- 2971.—**P. resinosa**, SOLAND. Red Pine. North-Eastern America.
Planted, 1889. Hardy.
P. rigensis, Desf. = *P. sylvestris*, L.
- 2972.—**P. rigida**, MILL. Pitch Pine. Torch Pine. Eastern United States.
Planted, 1899.
- 2973.—**P. Strobis**, L. White Pine. Weymouth Pine. Canada, North-Eastern America.
Planted, 1889. Hardy.
- 2974.—**P. Strobis densa**. Dense White Pine.
Planted, 1896. Hardy.
- 2975.—**P. Strobis umbraculifera**.
Planted, 1895. Hardy.
- 2976.—**P. sylvestris**, L. Scotch Pine. Northern Europe, Asia.
Syn., *P. rigensis*, Desf.
Planted, 1890. Hardy.
- 2977.—**P. sylvestris argentea**. Silvered Scotch Pine.
Planted, 1897. Hardy.
P. sylvestris rigensis = *P. sylvestris*, L.
- 2978.—**P. Thunbergii**, PARL. Japan.
Syn., *P. massoniana*, Sieb. & Zucc.
Planted, 1897. Hardy.
Podocarpus koraianus, Hort. = *Cephalotaxu pedunculata fastigiata*.

PSEUDOLARIX.

- 2979.—**P. Kaempferi**, GORD. China.
Planted, 1899.

PSEUDOTSUGA.

- 2980.—**P. Douglasii**, CARR. Douglas' Spruce.
North Western America.
Syn., *P. taxifolia*, Britton.
Planted, 1899. Hardy.
- 2981.—**P. Douglasii argentea**.
Planted, 1899.
- 2982.—**P. Douglasii glauca**. Glauous Douglas
Spruce.
Planted, 1897. Hardy.
P. taxifolia, Britton = *P. Douglasii*, Carr.
- RETINOSPORA. See CUPRESSUS.
- SALISBURIA. See GINGKO.
- SPRUCE. See PICEA.
- TAMARACK. See LARCH.

TAXODIUM—BALD CYPRESS.

- 2983.—**T. distichum**, RICH. Southern United
States.
Planted, 1893. Half hardy.
- 2984.—**T. distichum pendulum**. Pendulous
Bald Cypress.
Syn., *Glyptostrobus pendulus*, Endl.
Planted, 1893. Half hardy.
T. sempervirens, Lamb. = *Sequoia semper-
virens*, Endl.

TAXUS—YEW.

- 2985.—**T. baccata**, L. Yew. Europe and
Northern Asia.
Syn., *T. tardiva*, Laws.
Planted, 1895. Half hardy.
- 2986.—**T. baccata adpressa**.
Planted, 1898.
- 2987.—**T. baccata adpressa stricta**.
Planted, 1895. Tender.
- 2988.—**T. baccata albo-variegata**. White
variegated Yew.
Planted, 1895. Winter killed. Re-planted,
1899.
- 2989.—**T. baccata aurea**. Golden Yew.
Planted, 1895. Hardy.
- 2990.—**T. baccata brevifolia**. Short-leaved
Yew.
Syn., *T. brevifolia*, Nutt.
Planted, 1899.
- 2991.—**T. baccata cheshuntensis**.
Planted, 1899.
- 2992.—**T. baccata elegantissima**. Elegant
Yew.
Planted, 1895. Winter killed.
- 2993.—**T. baccata elegantissima variegata**.
Variegated Elegant Yew.
Planted, 1895. Winter killed.

TAXUS—YEW—Concluded.

- 2994.—**T. baccata fastigiata**. Pyramidal Yew.
Syns., *T. hibernica*, Hook.; *T. baccata hi-
bernica*.
Planted, 1895. Hardy when protected.
T. baccata hibernica = *T. baccata fastigiata*.
T. brevifolia, Nutt. = *T. baccata brevifolia*.
- 2995.—**T. canadensis**, WILLD. American Yew.
Canada and North-Eastern United
States.
Planted, 1893. Hardy.
- 2996.—**T. canadensis aurea**. Golden American
Yew.
Planted, 1899.
- 2997.—**T. cuspidata**, SIEB. & ZUCC. Mountains
of Japan.
Planted, 1896. Hardy.
- 2998.—**T. cuspidata compacta**.
Planted, 1896. Hardy.
T. hibernica, Hook. = *T. baccata fastigiata*.
T. imperialis, Hort. = *T. baccata imperialis*.
T. tardiva, Laws. = *T. baccata*, L.
- THUIOPSIS. See CUPRESSUS.
- THUYOPSIS. See THUYA.

THUYA—ARBOR VITAE.

- T. aurea*, Hort. = *T. orientalis aurea*.
T. caucasica, Hort. = *T. occidentalis ware-
ana*.
- 2999.—**T. dolobrata**, L. f. Mountains of Japan.
Syn., *Thuyopsis dolobrata*, Sieb. & Zucc.
Planted, 1895. Winter killed.
- 3000.—**T. dolobrata variegata**.
Planted, 1895. Half hardy.
- 3001.—**T. dolobrata viridissima**.
Planted, 1895. Tender.
- 3002.—**T. gigantea**, NUTT. Gigantic Arbor-
vitae. Western America.
Syns., *T. Lobbi*, Hort.; *T. plicata*, Don.
Planted, 1898. Half hardy on other parts
of the grounds.
- 3003.—**T. gigantea atrovirens**.
Syn., *T. Lobbi atrovirens*.
Planted, 1898. Half hardy in nursery
rows.
- 3004.—**T. gigantea fastigiata**.
Planted, 1899.
- 3005.—**T. gigantea gracilis**.
Planted, 1899.
- 3006.—**T. gigantea plicata**.
Syn., *T. plicata*, Don.
Planted, 1897. Hardy.
- 3007.—**T. japonica**, MAXIM. Japan.
Syn., *T. Standishii*, Carr.
Planted, 1897. Hardy.
- 3008.—**T. occidentalis**, L. White Cedar, Arbor-
vitae. Canada and North-Eastern
United States.
Planted, 1889. Hardy.

THUYA—ARBOR VITAE—Continued.

- 3009.—**T. occidentalis alba** Victoria.
Planted, 1894. Hardy.
- 3010.—**T. occidentalis argentea**. Silvered
Arbor-vitae.
Planted, 1889. Hardy.
- 3011.—**T. occidentalis aurea**. Golden Arbor-
vitae.
Planted, 1889. Hardy.
- 3012.—**T. occidentalis aureo-spicata**.
Planted, 1896. Hardy.
- 3013.—**T. occidentalis Bodmeri**.
Planted, 1899.
- 3014.—**T. occidentalis Boothii**. Booth's Arbor-
vitae.
Planted, 1890. Hardy.
- 3015.—**T. occidentalis Brinckerhoffi**. Brincker-
hoff's Arbor-vitae.
Planted, 1894. Hardy.
- 3016.—**T. occidentalis Buchononi**.
Planted, 1896. Hardy.
- 3017.—**T. occidentalis cæsia**.
Planted, 1896. Hardy.
T. occidentalis caucasica = *T. occidentalis*
wareana.
- 3018.—**T. occidentalis Cloth of Gold**.
Planted, 1896. Hardy.
- 3019.—**T. occidentalis compacta**. Compact
Arbor-vitae.
Planted, 1890. Hardy.
- 3020.—**T. occidentalis compacta Parsoni**.
Planted, 1894. Hardy.
- 3021.—**T. occidentalis cristata**.
Planted, 1896. Hardy.
- 3022.—**T. occidentalis densa**. Dense Arbor-
vitae.
Planted, 1894. Hardy.
- 3023.—**T. occidentalis denudata**.
Planted, 1897. Half hardy.
- 3024.—**T. occidentalis Douglas' Golden**.
Planted, 1894. Hardy.
- 3025.—**T. occidentalis Douglasii pyramidalis**.
Planted, 1897. Hardy.
- 3026.—**T. occidentalis elwangeriana**. Elwan-
ger's Arbor-vitae.
Planted, 1890. Hardy.
- 3027.—**T. occidentalis elwangeriana aurea**.
Elwanger's Golden Arbor-vitae.
Planted, 1899.
- 3028.—**T. occidentalis filifolia**. Thread-like
Arbor-vitae.
Planted, 1894. Hardy.
- 3029.—**T. occidentalis Fröbelii**.
Planted, 1899.
- 3030.—**T. occidentalis globosa**. Globose Arbor-
vitae.
Planted, 1890. Hardy.
- 3031.—**T. occidentalis globularis**.
Planted, 1899.

THUYA—ARBOR VITAE—Continued.

- 3032.—**T. occidentalis Hovei**. Hovey's Arbor-
vitae.
Planted, 1890. Hardy.
- 3033.—**T. occidentalis intermedia**.
Planted, 1894. Hardy.
- 3034.—**T. occidentalis leptoclada**.
Planted, 1894. Hardy.
- 3035.—**T. occidentalis Little Gem**.
Planted, 1889. Hardy.
- 3036.—**T. occidentalis lutea**. Yellow Arbor-
vitae.
Planted, 1894. Hardy.
- 3037.—**T. occidentalis maculata**.
Planted, 1894. Hardy.
- 3038.—**T. occidentalis Meehani**. Meehan's
Arbor-vitae.
Planted, 1894. Hardy.
- 3039.—**T. occidentalis nana**. Dwarf Arbor-vitae.
Planted, 1897. Hardy.
- 3040.—**T. occidentalis pendula**. Pendulous
Arbor-vitae.
Planted, 1899.
- 3041.—**T. occidentalis plicata**. Plicate Arbor-
vitae.
Planted, 1896. Hardy.
- 3042.—**T. occidentalis plumosa**. Plumose Arbor-
vitae.
Planted, 1899.
- 3043.—**T. occidentalis pumila**.
Planted, 1897. Hardy.
- 3044.—**T. occidentalis pulverulenta**.
Planted, 1899.
- 3045.—**T. occidentalis pyramidalis**. Pyramidal
Arbor-vitae.
Planted, 1890. Hardy.
- 3046.—**T. occidentalis recurva nana**.
Planted, 1896. Hardy.
- 3047.—**T. occidentalis recurvata**.
Planted, 1896. Hardy.
- 3048.—**T. occidentalis Riversi**. Rivers' Arbor-
vitae.
Planted, 1896. Hardy.
T. occidentalis sibirica = *T. occidentalis*
wareana.
- 3049.—**T. occidentalis Spæthii**. Späth's Arbor-
vitae.
Planted, 1898.
- 3050.—**T. occidentalis spiralis**. Spiral Arbor-
vitae.
Planted, 1894. Hardy.
- 3051.—**T. occidentalis tatarica**.
Planted, 1897. Hardy.
- 3052.—**T. occidentalis Tom Thumb**.
Planted, 1890. Hardy.
- 3053.—**T. occidentalis umbraculifera**.
Planted, 1897. Hardy.
- 3054.—**T. occidentalis variegata Waxen**.
Planted, 1898.

THUYA—ARBOR VITAE—Continued.

- 3055.—**T. occidentalis vervaeneana.**
Planted, 1898. Hardy.
- 3056.—**T. occidentalis Wagneri.** Wagner's
Arbor-vitae.
Planted, 1896. Hardy.
- 3057.—**T. occidentalis wareana.** Ware's Arbor-
vitae.
Planted, 1889. Hardy.
- 3058.—**T. occidentalis wareana variegata.**
Planted, 1894. Hardy.
- 3059.—**T. orientalis, L.** Oriental Arbor-Vitae.
North China and Japan.
Syn., Biota orientalis, Endl.
Planted, 1895. Winter killed.
- 3060.—**T. orientalis argentea variegata.** Sil-
ver variegated Oriental Arbor-vitae.
Planted, 1895. Winter killed.
- 3061.—**T. orientalis aurea.** Golden Oriental
Arbor-vitae.
Syn., T. aurea, Hort.
Planted, 1895. Winter killed.
- 3062.—**T. orientalis aurea pyramidalis com-
pacta.**
Planted, 1899. Hardy.
- 3063.—**T. orientalis compacta.** Compact
Oriental Arbor-vitae.
Planted, 1895. Winter killed.
- 3064.—**T. orientalis conica.**
Planted, 1895. Winter killed.

THUYA—ARBOR VITAE—Concluded.

- 3065.—**T. orientalis decussata.**
Planted, 1899.
- 3066.—**T. orientalis elegantissima.**
Planted, 1894. Winter killed.
- 3067.—**T. orientalis pyramidalis.** Pyramidal
Oriental Arbor-vitae.
Syn., T. tatarica, Forbes.
Planted, 1895. Winter killed.
- 3068.—**T. orientalis semperaurescens.**
Planted, 1894. Winter killed.
T. pendula, Endl. = T. orientalis pendula.
T. plicata, Don. = T. gigantea plicata.
T. sibirica = T. occidentalis wareana.
T. Standishii = T. japonica, maxim.
*T. tatarica, Forbes = T. orientalis pyramid-
alis.*

TSUGA—HEMLOCK.

- 3069.—**T. canadensis.** CARR. Hemlock. North-
Eastern America.
Planted, 1893. Hardy.
- 3070.—**T. canadensis gracilis.** Graceful Hem-
lock.
Planted, 1897. Hardy.
- 3071.—**T. canadensis Sargentii pendula.** Sar-
gent's Pendulous Hemlock.
Planted, 1896. Hardy.
- YEW. See TAXUS.

NOTE.—The degree of hardiness of some species and varieties has been changed since the introductory matter was written, after another winter's experience. Of those tested, 1,434 have now been found hardy; 361, half hardy; 232, tender; 307, winter killed; and 737 have not been planted long enough to admit of an opinion being given as to their hardiness.



